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CALPOST Version 6.221      Level 080724  
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Internal Coordinate Transformations by --- COORDLIB Version: 1.99 Level: 070921

Run Title:  
Cleco, Brame Energy Center, Nesbitt  
BRETON WILDERNESS AREA CALPOST 2003  
VISIBILITY METHOD 8

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INPUT GROUP: 1 -- General run control parameters  
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Option to run all periods found  
in the met. file(s) (METRUN)      Default: 0 ! METRUN = 1 !

METRUN = 0 - Run period explicitly defined below  
METRUN = 1 - Run all periods in CALPUFF data file(s)

Starting date: Year (ISYR) -- No default ! ISYR = 2003 !  
Month (ISMO) -- No default ! ISMO = 1 !  
Day (ISDY) -- No default ! ISDY = 1 !  
Starting time: Hour (ISHR) -- No default ! ISHR = 0 !  
Minute (ISMIN) -- No default ! ISMIN = 0 !  
Second (ISSEC) -- No default ! ISSEC = 0 !

Ending date: Year (IEYR) -- No default ! IEYR = 2003 !  
Month (IEMO) -- No default ! IEMO = 12 !  
Day (IEDY) -- No default ! IEDY = 31 !  
Ending time: Hour (IEHR) -- No default ! IEHR = 0 !  
Minute (IEMIN) -- No default ! IEMIN = 0 !  
Second (IESEC) -- No default ! IESEC = 0 !

(These are only used if METRUN = 0)

All times are in the base time zone of the CALPUFF simulation.  
CALPUFF Dataset Version 2.1 contains the zone, but earlier versions  
do not, and the zone must be specified here. The zone is the  
number of hours that must be ADDED to the time to obtain UTC (or GMT).  
Identify the Base Time Zone for the CALPUFF simulation  
(BTZONE) -- No default ! BTZONE = 6.0 !

Process every period of data?  
(NREP) -- Default: 1 ! NREP = 1 !  
(1 = every period processed,  
2 = every 2nd period processed,

5 = every 5th period processed, etc.)

## Species & Concentration/Deposition Information

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Species to process (ASPEC) -- No default ! ASPEC = VISIB !  
(ASPEC = VISIB for visibility processing)

Layer/deposition code (ILAYER) -- Default: 1 ! ILAYER = 1 !  
'1' for CALPUFF concentrations,  
'-1' for dry deposition fluxes,  
'-2' for wet deposition fluxes,  
'-3' for wet+dry deposition fluxes.

Scaling factors of the form: -- Defaults: ! A = 0.0 !  
 $X(\text{new}) = X(\text{old}) * A + B$     A = 0.0 ! B = 0.0 !  
(NOT applied if A = B = 0.0)    B = 0.0

Add Hourly Background Concentrations/Fluxes?  
(LBACK) -- Default: F ! LBACK = F !

Source of NO<sub>2</sub> when ASPEC=NO<sub>2</sub> (above) or LVNO<sub>2</sub>=T (Group 2) may be from CALPUFF NO<sub>2</sub> concentrations OR from a fraction of CALPUFF NO<sub>x</sub> concentrations. Specify the fraction of NO<sub>x</sub> that is treated as NO<sub>2</sub> either as a constant or as a table of fractions that depend on the magnitude of the NO<sub>x</sub> concentration:

(NO<sub>2</sub>CALC) -- Default: 1 ! NO<sub>2</sub>CALC = 1 !  
0 = Use NO<sub>2</sub> directly (NO<sub>2</sub> must be in file)  
1 = Specify a single NO<sub>2</sub>/NO<sub>x</sub> ratio (RNO<sub>2</sub>NO<sub>x</sub>)  
2 = Specify a table NO<sub>2</sub>/NO<sub>x</sub> ratios (TNO<sub>2</sub>NO<sub>x</sub>)  
(NOTE: Scaling Factors must NOT be used with NO<sub>2</sub>CALC=2)

Single NO<sub>2</sub>/NO<sub>x</sub> ratio (0.0 to 1.0) for treating some or all NO<sub>x</sub> as NO<sub>2</sub>, where [NO<sub>2</sub>] = [NO<sub>x</sub>] \* RNO<sub>2</sub>NO<sub>x</sub>  
(used only if NO<sub>2</sub>CALC = 1)  
(RNO<sub>2</sub>NO<sub>x</sub>) -- Default: 1.0 ! RNO<sub>2</sub>NO<sub>x</sub> = 1.0 !

Table of NO<sub>2</sub>/NO<sub>x</sub> ratios that vary with NO<sub>x</sub> concentration. Provide 14 NO<sub>x</sub> concentrations (ug/m<sup>3</sup>) and the corresponding NO<sub>2</sub>/NO<sub>x</sub> ratio, with NO<sub>x</sub> increasing in magnitude. The ratio used for a particular NO<sub>x</sub> concentration is interpolated from the values provided in the table. The ratio for the smallest tabulated NO<sub>x</sub> concentration (the first) is used for all NO<sub>x</sub> concentrations less than the smallest tabulated value, and the ratio for the largest tabulated NO<sub>x</sub> concentration (the last) is used for all NO<sub>x</sub> concentrations greater than the largest tabulated value.  
(used only if NO<sub>2</sub>CALC = 2)

NO<sub>x</sub> concentration(ug / m<sup>3</sup>)  
(CNOX) -- No default  
! CNOX = 1.0, 2.0, 3.0, 4.0, 5.0, 6.0, 7.0,  
8.0, 9.0, 10.0, 11.0, 12.0, 13.0, 14.0 !

NO<sub>2</sub>/NO<sub>x</sub> ratio for each NO<sub>x</sub> concentration:  
(TNO<sub>2</sub>NO<sub>x</sub>) -- No default

! TNO2NOX = 1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0,  
1.0, 1.0, 1.0, 1.0, 1.0, 1.0, 1.0 !

#### Source information

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Option to process source contributions:

- 0 = Process only total reported contributions
- 1 = Sum all individual source contributions and process
- 2 = Run in TRACEBACK mode to identify source  
contributions at a SINGLE receptor  
(MSOURCE) -- Default: 0 ! MSOURCE = 0 !

#### Plume Model Output Processing Options

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Output from models other than CALPUFF and CALGRID can be written in the CONC.DAT format and processed by CALPOST. Plume models such as AERMOD typically do not treat CALM hours, and do not include such hours in multiple-hour averages, with specific rules about how many calm hours can be removed from an average. This treatment is known as CALM PROCESSING. Calm periods are identified from wind speeds in the meteorological data file for the application, which must be identified in Input Group 0 as the single-point meteorological data file MET1DAT.

- 0 = Option is not used for CALPUFF/CALGRID output files
- 1 = Apply CALM processing procedures to multiple-hour averages  
(MCALMPRO) -- Default: 0 ! MCALMPRO = 0 !

Format of Single-point Met File

- 1 = AERMOD/AERMET SURFACE file  
(MET1FMT) -- Default: 1 ! MET1FMT = 1 !

#### Receptor information

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Gridded receptors processed? (LG) -- Default: F ! LG = F !  
Discrete receptors processed? (LD) -- Default: F ! LD = T !  
CTSG Complex terrain receptors processed?  
(LCT) -- Default: F ! LCT = F !

--Report results by DISCRETE receptor RING?  
(only used when LD = T) (LDRING) -- Default: F ! LDRING = F !

--Select range of DISCRETE receptors (only used when LD = T):

Select ALL DISCRETE receptors by setting NDRECP flag to -1;  
OR

Select SPECIFIC DISCRETE receptors by entering a flag (0,1) for each  
0 = discrete receptor not processed  
1 = discrete receptor processed

using repeated value notation to select blocks of receptors:  
23\*1, 15\*0, 12\*1

Flag for all receptors after the last one assigned is set to 0

(NDRECP) -- Default: -1

! NDRECP = 80\*0, 40\*1!

--Select range of GRIDDED receptors (only used when LG = T):

X index of LL corner (IBGRID) -- Default: -1 ! IBGRID = -1 !  
(-1 OR 1 <= IBGRID <= NX)

Y index of LL corner (JBGRID) -- Default: -1 ! JBGRID = -1 !  
(-1 OR 1 <= JBGRID <= NY)

X index of UR corner (IEGRID) -- Default: -1 ! IEGRID = -1 !  
(-1 OR 1 <= IEGRID <= NX)

Y index of UR corner (JEGRID) -- Default: -1 ! JEGRID = -1 !  
(-1 OR 1 <= JEGRID <= NY)

Note: Entire grid is processed if IBGRID=JBGRID=IEGRID=JEGRID=-1

--Specific gridded receptors can also be excluded from CALPOST processing by filling a processing grid array with 0s and 1s. If the processing flag for receptor index (i,j) is 1 (ON), that receptor will be processed if it lies within the range delineated by IBGRID, JBGRID,IEGRID,JEGRID and if LG=T. If it is 0 (OFF), it will not be processed in the run. By default, all array values are set to 1 (ON).

Number of gridded receptor rows provided in Subgroup (1a) to identify specific gridded receptors to process

(NGONOFF) -- Default: 0 ! NGONOFF = 0 !

!END!

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Subgroup (1a) -- Specific gridded receptors included/excluded  
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Specific gridded receptors are excluded from CALPOST processing by filling a processing grid array with 0s and 1s. A total of NGONOFF lines are read here. Each line corresponds to one 'row' in the sampling grid, starting with the NORTHERNMOST row that contains receptors that you wish to exclude, and finishing with row 1 to the SOUTH (no intervening rows may be skipped). Within a row, each receptor position is assigned either a 0 or 1, starting with the westernmost receptor.

0 = gridded receptor not processed

1 = gridded receptor processed

Repeated value notation may be used to select blocks of receptors:

23\*1, 15\*0, 12\*1

Because all values are initially set to 1, any receptors north of the first row entered, or east of the last value provided in a row, remain ON.

(NGXRECP) -- Default: 1

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INPUT GROUP: 2 -- Visibility Parameters (ASPEC = VISIB)  
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Test visibility options specified to see  
if they conform to FLAG 2008 configuration?

(MVISCHECK) -- Default: 1 ! MVISCHECK = 1 !

0 = NO checks are made

1 = Technical options must conform to FLAG 2008 visibility guidance

ASPEC = VISIB

LVNO2 = T

NO2CALC = 1

RNO2NOX = 1.0

MVISBK = 8

M8\_MODE = 5

Some of the data entered for use with the FLAG 2008 configuration  
are specific to the Class I area being evaluated. These values can  
be checked within the CALPOST user interface when the name of the  
Class I area is provided.

Name of Class I Area (used for QA purposes only)

(AREANAME) -- Default: User ! AREANAME = BRET !

Particle growth curve f(RH) for hygroscopic species

(MFRH) -- Default: 4 ! MFRH = 4 !

1 = IWAQM (1998) f(RH) curve (originally used with MVISBK=1)

2 = FLAG (2000) f(RH) tabulation

3 = EPA (2003) f(RH) tabulation

4 = IMPROVE (2006) f(RH) tabulations for sea salt, and for small and  
large SULFATE and NITRATE particles;

Used in Visibility Method 8 (MVISBK = 8 with M8\_MODE = 1, 2, or 3)

Maximum relative humidity (%) used in particle growth curve

(RHMAX) -- Default: 98 ! RHMAX = 95 !

Modeled species to be included in computing the light extinction

Include SULFATE? (LVSO4) -- Default: T ! LVSO4 = T !

Include NITRATE? (LVNO3) -- Default: T ! LVNO3 = T !

Include ORGANIC CARBON? (LVOC) -- Default: T ! LVOC = T !

Include COARSE PARTICLES? (LVPMC) -- Default: T ! LVPMC = T !

Include FINE PARTICLES? (LVPMF) -- Default: T ! LVPMF = T !

Include ELEMENTAL CARBON? (LVEC) -- Default: T ! LVEC = T !

Include NO2 absorption? (LVNO2) -- Default: F ! LVNO2 = T !

With Visibility Method 8 -- Default: T

FLAG (2008)

And, when ranking for TOP-N, TOP-50, and Exceedance tables,

Include BACKGROUND? (LVBK) -- Default: T ! LVBK = T !

Species name used for particulates in MODEL.DAT file

COARSE (SPECPMC) -- Default: PMC ! SPECPMC = PMC !

FINE (SPECPMF) -- Default: PMF ! SPECPMF = PMF !

Extinction Efficiency (1/Mm per ug/m\*\*3)

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MODELED particulate species:

PM COARSE (EELMC) -- Default: 0.6 ! EELMC = 0.6 !

PM FINE (EELMF) -- Default: 1.0 ! EELMF = 1 !

BACKGROUND particulate species:

PM COARSE (EELMCBK) -- Default: 0.6 ! EELMCBK = 0.6 !

Other species:

AMMONIUM SULFATE (EESO4) -- Default: 3.0 ! EESO4 = 3 !

AMMONIUM NITRATE (EENO3) -- Default: 3.0 ! EENO3 = 3 !

ORGANIC CARBON (EEOC) -- Default: 4.0 ! EEOC = 4 !

SOIL (EESOIL) -- Default: 1.0 ! EESOIL = 1 !

ELEMENTAL CARBON (EEEC) -- Default: 10. ! EEEC = 10 !

NO2 GAS (EENO2) -- Default: .1755 ! EENO2 = 0.1755 !

Visibility Method 8:

AMMONIUM SULFATE (EESO4S) Set Internally (small)

AMMONIUM SULFATE (EESO4L) Set Internally (large)

AMMONIUM NITRATE (EENO3S) Set Internally (small)

AMMONIUM NITRATE (EENO3L) Set Internally (large)

ORGANIC CARBON (EEOCS) Set Internally (small)

ORGANIC CARBON (EEOCL) Set Internally (large)

SEA SALT (EESALT) Set Internally

Background Extinction Computation

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Method used for the 24h-average of percent change of light extinction:

Hourly ratio of source light extinction / background light extinction

is averaged? (LAVER) -- Default: F ! LAVER = F !

Method used for background light extinction

(MVISBK) -- Default: 8 ! MVISBK = 8 !

FLAG (2008)

- 1 = Supply single light extinction and hygroscopic fraction
  - Hourly F(RH) adjustment applied to hygroscopic background and modeled sulfate and nitrate
- 2 = Background extinction from speciated PM concentrations (A)
  - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
  - F(RH) factor is capped at F(RHMAX)
- 3 = Background extinction from speciated PM concentrations (B)
  - Hourly F(RH) adjustment applied to observed and modeled sulfate and nitrate
  - Receptor-hour excluded if RH>RHMAX
  - Receptor-day excluded if fewer than 6 valid receptor-hours
- 4 = Read hourly transmissometer background extinction measurements
  - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
  - Hour excluded if measurement invalid (missing, interference, or large RH)
  - Receptor-hour excluded if RH>RHMAX

- Receptor-day excluded if fewer than 6 valid receptor-hours
- 5 = Read hourly nephelometer background extinction measurements
  - Rayleigh extinction value (BEXTRAY) added to measurement
  - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
  - Hour excluded if measurement invalid (missing, interference, or large RH)
  - Receptor-hour excluded if  $RH > RH_{MAX}$
  - Receptor-day excluded if fewer than 6 valid receptor-hours
- 6 = Background extinction from speciated PM concentrations
  - FLAG (2000) monthly RH adjustment factor applied to observed and modeled sulfate and nitrate
- 7 = Use observed weather or prognostic weather information for background extinction during weather events; otherwise, use Method 2
  - Hourly F(RH) adjustment applied to modeled sulfate and nitrate
  - F(RH) factor is capped at  $F(RH_{MAX})$
  - During observed weather events, compute Bext from visual range if using an observed weather data file, or
  - During prognostic weather events, use Bext from the prognostic weather file
  - Use Method 2 for hours without a weather event
- 8 = Background extinction from speciated PM concentrations using the IMPROVE (2006) variable extinction efficiency formulation (MFRH must be set to 4)
  - Split between small and large particle concentrations of SULFATES, NITRATES, and ORGANICS is a function of concentration and different extinction efficiencies are used for each
  - Source-induced change in visibility includes the increase in extinction of the background aerosol due to the change in the extinction efficiency that now depends on total concentration.
  - Fsmall(RH) and Flarge(RH) adjustments for small and large particles are applied to observed and modeled sulfate and nitrate concentrations
  - Fsalt(RH) adjustment for sea salt is applied to background sea salt concentrations
  - F(RH) factors are capped at  $F(RH_{MAX})$
  - RH for Fsmall(RH), Flarge(RH), and Fsalt(RH) may be obtained from hourly data as in Method 2 or from the FLAG monthly RH adjustment factor used for Method 6 where EPA F(RH) tabulation is used to infer RH, or monthly Fsmall, Flarge, and Fsalt RH adjustment factors can be directly entered.
  - Furthermore, a monthly RH factor may be applied to either hourly concentrations or daily concentrations to obtain the 24-hour extinction.
  - These choices are made using the M8\_MODE selection.

Additional inputs used for MVISBK = 1:

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 Background light extinction (1/Mm)  
                                   (BEXTBK) -- No default ! BEXTBK = 12 !  
 Percentage of particles affected by relative humidity  
                                   (RHFRAC) -- No default ! RHFRAC = 10 !

Additional inputs used for MVISBK = 6,8:

-----  
 Extinction coefficients for hygroscopic species (modeled and background) are computed using a monthly RH adjustment factor

in place of an hourly RH factor (VISB.DAT file is NOT needed).  
Enter the 12 monthly factors here (RHFAC). Month 1 is January.

(RHFAC) -- No default ! RHFAC = 3.5, 3.3, 3.3, 3.3,  
3.4, 3.6, 3.8, 3.8,  
3.6, 3.4, 3.4, 3.5 !

Additional inputs used for MVISBK = 7:

-----  
The weather data file (DATSAV abbreviated space-delimited) that is identified as VSRN.DAT may contain data for more than one station. Identify the stations that are needed in the order in which they will be used to obtain valid weather and visual range. The first station that contains valid data for an hour will be used. Enter up to MXWSTA (set in PARAMS file) integer station IDs of up to 6 digits each as variable IDWSTA, and enter the corresponding time zone for each, as variable TZONE (= UTC-LST).

A prognostic weather data file with Bext for weather events may be used in place of the observed weather file. Identify this as the VSRN.DAT file and use a station ID of IDWSTA = 999999, and TZONE = 0.

NOTE: TZONE identifies the time zone used in the dataset. The DATSAV abbreviated space-delimited data usually are prepared with UTC time rather than local time, so TZONE is typically set to zero.

(IDWSTA) -- No default \* IDWSTA = 000000 \*  
(TZONE) -- No default \* TZONE = 0. \*

Additional inputs used for MVISBK = 2,3,6,7,8:

-----  
Background extinction coefficients are computed from monthly CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3), coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and elemental carbon (BKEC). Month 1 is January.  
(ug/m\*\*3)

(BKSO4) -- No default ! BKSO4 = 0.23, 0.23, 0.23, 0.23,  
0.23, 0.23, 0.23, 0.23,  
0.23, 0.23, 0.23, 0.23 !

(BKNO3) -- No default ! BKNO3 = 0.10, 0.10, 0.10, 0.10,  
0.10, 0.10, 0.10, 0.10,  
0.10, 0.10, 0.10, 0.10 !

(BKPMC) -- No default ! BKPMC = 3.01, 3.01, 3.01, 3.01,  
3.01, 3.01, 3.01, 3.01,  
3.01, 3.01, 3.01, 3.01 !

(BKOC) -- No default ! BKOC = 1.78, 1.78, 1.78, 1.78,  
1.78, 1.78, 1.78, 1.78,  
1.78, 1.78, 1.78, 1.78 !

(BKSOIL) -- No default ! BKSOIL = 0.48, 0.48, 0.48, 0.48,  
0.48, 0.48, 0.48, 0.48,  
0.48, 0.48, 0.48, 0.48 !

(BKEC) -- No default ! BKEC = 0.02, 0.02, 0.02, 0.02,  
0.02, 0.02, 0.02, 0.02,  
0.02, 0.02, 0.02, 0.02 !

Additional inputs used for MVISBK = 8:

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Extinction coefficients for hygroscopic species (modeled and background) may be computed using hourly RH values and hourly modeled concentrations, or using monthly RH values inferred from the RHFAC adjustment factors and either hourly or daily modeled concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment factors and either hourly or daily modeled concentrations.

(M8\_MODE) -- Default: 5 ! M8\_MODE= 5 !  
FLAG (2008)

- 1 = Use hourly RH values from VISB.DAT file with hourly modeled and monthly background concentrations.
- 2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH) tabulation with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled and monthly background concentrations. (VISB.DAT file is NOT needed).
- 5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled and monthly background concentrations. (VISB.DAT file is NOT needed).

Background extinction coefficients are computed from monthly CONCENTRATIONS of sea salt (BKSALT). Month 1 is January. (ug/m\*\*3)

(BKSALT) -- No default ! BKSALT= 0.19, 0.19, 0.19, 0.19,  
0.19, 0.19, 0.19, 0.19,  
0.19, 0.19, 0.19, 0.19 !

Extinction coefficients for hygroscopic species (modeled and background) can be computed using monthly RH adjustment factors in place of an hourly RH factor (VISB.DAT file is NOT needed). Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA). Month 1 is January. (Used if M8\_MODE = 4 or 5)

Small ammonium sulfate and ammonium nitrate particle sizes (RHFSML) -- No default ! RHFSML= 4.08, 3.82, 3.79, 3.74,  
3.94, 4.12, 4.41, 4.37,  
4.18, 3.92, 3.93, 4.06 !

Large ammonium sulfate and ammonium nitrate particle sizes (RHFLRG) -- No default ! RHFLRG= 2.91, 2.76, 2.74, 2.72,  
2.83, 2.94, 3.10, 3.07,  
2.97, 2.82, 2.83, 2.90 !

Sea salt particles (RHFSEA) -- No default ! RHFSEA= 4.10, 3.89, 3.87, 3.85,  
4.02, 4.21, 4.44, 4.38,

4.23, 3.99, 4.01, 4.11 !

Additional inputs used for MVISBK = 2,3,5,6,7,8:

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Extinction due to Rayleigh scattering is added (1/Mm)  
(BEXTRAY) -- Default: 10.0 ! BEXTRAY = 11 !

!END!  
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INPUT GROUP: 3 -- Output options  
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Documentation  
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Documentation records contained in the header of the  
CALPUFF output file may be written to the list file.  
Print documentation image?  
(LDOC) -- Default: F ! LDOC = F !

Output Units  
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Units for All Output (IPRTU) -- Default: 1 ! IPRTU = 3 !  
for for  
Concentration Deposition  
1 = g/m\*\*3 g/m\*\*2/s  
2 = mg/m\*\*3 mg/m\*\*2/s  
3 = ug/m\*\*3 ug/m\*\*2/s  
4 = ng/m\*\*3 ng/m\*\*2/s  
5 = Odour Units

Visibility: extinction expressed in 1/Mega-meters (IPRTU is ignored)

Averaging time(s) reported  
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1-pd averages (L1PD) -- Default: T ! L1PD = F !  
(pd = averaging period of model output)

1-hr averages (L1HR) -- Default: T ! L1HR = F !

3-hr averages (L3HR) -- Default: T ! L3HR = F !

24-hr averages (L24HR) -- Default: T ! L24HR = T !

Run-length averages (LRUNL) -- Default: T ! LRUNL = F !

User-specified averaging time in hours, minutes, seconds  
- results for this averaging time are reported if it is not zero

(NAVGH) -- Default: 0 ! NAVGH = 0 !  
(NAVGM) -- Default: 0 ! NAVGM = 0 !  
(NAVGS) -- Default: 0 ! NAVGS = 0 !

## Types of tabulations reported

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- 1) Visibility: daily visibility tabulations are always reported for the selected receptors when ASPEC = VISIB. In addition, any of the other tabulations listed below may be chosen to characterize the light extinction coefficients.  
[List file or Plot/Analysis File]
  
- 2) Top 50 table for each averaging time selected  
[List file only]  
(LT50) -- Default: T ! LT50 = F !
  
- 3) Top 'N' table for each averaging time selected  
[List file or Plot file]  
(LTOPN) -- Default: F ! LTOPN = F !  
  
-- Number of 'Top-N' values at each receptor selected (NTOP must be <= 4)  
(NTOP) -- Default: 4 ! NTOP = 4 !  
  
-- Specific ranks of 'Top-N' values reported (NTOP values must be entered)  
(ITOP(4) array) -- Default: ! ITOP = 1,2,3,4 !  
1,2,3,4
  
- 4) Threshold exceedance counts for each receptor and each averaging time selected  
[List file or Plot file]  
(LEXCD) -- Default: F ! LEXCD = F !  
  
-- Identify the threshold for each averaging time by assigning a non-negative value (output units).  
  
-- Default: -1.0  
Threshold for 1-hr averages (THRESH1) ! THRESH1 = -1.0 !  
Threshold for 3-hr averages (THRESH3) ! THRESH3 = -1.0 !  
Threshold for 24-hr averages (THRESH24) ! THRESH24 = -1.0 !  
Threshold for NAVG-hr averages (THRESHN) ! THRESHN = -1.0 !  
  
-- Counts for the shortest averaging period selected can be tallied daily, and receptors that experience more than NCOUNT counts over any NDAY period will be reported. This type of exceedance violation output is triggered only if NDAY > 0.  
  
Accumulation period(Days)  
(NDAY) -- Default: 0 ! NDAY = 0 !  
Number of exceedances allowed  
(NCOUNT) -- Default: 1 ! NCOUNT = 1 !

## 5) Selected day table(s)

Echo Option -- Many records are written each averaging period selected and output is grouped by day

[List file or Plot file]

(LECHO) -- Default: F ! LECHO = F !

Timeseries Option -- Averages at all selected receptors for each selected averaging period are written to timeseries files. Each file contains one averaging period, and all receptors are written to a single record each averaging time.

[TSERIES\_ASPEC\_ttHR\_CONC\_TSUNAM.DAT files]

(LTIME) -- Default: F ! LTIME = F !

Peak Value Option -- Averages at all selected receptors for each selected averaging period are screened and the peak value each period is written to timeseries files.

Each file contains one averaging period.

[PEAKVAL\_ASPEC\_ttHR\_CONC\_TSUNAM.DAT files]

(LPEAK) -- Default: F ! LPEAK = F !

-- Days selected for output

(IECHO(366)) -- Default: 366\*0

! IECHO = 366\*0 !

(366 values must be entered)

## Plot output options

Plot files can be created for the Top-N, Exceedance, and Echo tables selected above. Two formats for these files are available, DATA and GRID. In the DATA format, results at all receptors are listed along with the receptor location [x,y,val1,val2,...]. In the GRID format, results at only gridded receptors are written, using a compact representation. The gridded values are written in rows (x varies), starting with the most southern row of the grid. The GRID format is given the .GRD extension, and includes headers compatible with the SURFER(R) plotting software.

A plotting and analysis file can also be created for the daily peak visibility summary output, in DATA format only.

Generate Plot file output in addition to writing tables to List file?

(LPLT) -- Default: F ! LPLT = F !

Use GRID format rather than DATA format, when available?

(LGRD) -- Default: F ! LGRD = F !

## Auxiliary Output Files (for subsequent analyses)

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Visibility

A separate output file may be requested that contains the change in visibility at each selected receptor when ASPEC = VISIB. This file can be processed to construct visibility measures that are not available in CALPOST.

Output file with the visibility change at each receptor?  
(MDVIS) -- Default: 0 ! MDVIS = 1 !

- 0 = Do Not create file
- 1 = Create file of DAILY (24 hour) Delta-Deciview
- 2 = Create file of DAILY (24 hour) Extinction Change (%)
- 3 = Create file of HOURLY Delta-Deciview
- 4 = Create file of HOURLY Extinction Change (%)

Additional Debug Output

-----  
Output selected information to List file  
for debugging?  
(LDEBUG) -- Default: F ! LDEBUG = F !

Output hourly extinction information to REPORT.HRV?  
(Visibility Method 7)  
(LVEXTHR) -- Default: F ! LVEXTHR = F !

!END!

-----  
NOTICE: Starting year in control file sets the  
expected century for the simulation. All  
YY years are converted to YYYY years in  
the range: 1953 2052  
-----

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\*\*\*\*\*  
CALPOST Version 6.221      Level 080724  
\*\*\*\*\*  
\*\*\*\*\*

CALPOST Control File Input Summary -----

Replace run data with data in Puff file 1=Y:    1  
Run starting date -- year: 2003  
                  month:    1  
                  day:      1  
                  Julian day: 0  
Time at start of run - hour(0-23):    0  
                  - minute:    0  
                  - second:    0



Extinction Computation includes:

SULFATES

NITRATES

NO2 GAS

Fraction CALPUFF NOx used as NO2 : 1.000

ORGANIC CARBON

ELEMENTAL CARBON

COARSE PARTICLES

FINE PARTICLES

BACKGROUND

Particle f(RH) growth curve(s) : IMPROVE (2006) Tables

Max. RH % for particle growth (%): 95.000

Species name for modeled particulates

coarse: PMC

fine: PMF

Extinction Efficiency (1/Mm per ug/m\*\*3)

ammonium sulfate S: 2.2000

ammonium sulfate L: 4.8000

ammonium nitrate S: 2.4000

ammonium nitrate L: 5.1000

organic carbon S: 2.8000

organic carbon L: 6.1000

sea salt: 1.7000

NO2 gas: 0.1755

soil: 1.0000

elemental carbon: 10.0000

MODELED coarse PM: 0.6000

MODELED fine PM: 1.0000

BACKGRND coarse PM: 0.6000

Background Extinction Calculation Method 8

Method 8 Mode: 5

(24-hr avg conc. with monthly F(RH) data)

Monthly RH factor for small particles:

1 .4080E+01

2 .3820E+01

3 .3790E+01

4 .3740E+01

5 .3940E+01

6 .4120E+01

7 .4410E+01

8 .4370E+01

9 .4180E+01

10 .3920E+01

11 .3930E+01

12 .4060E+01

Monthly RH factor for large particles:

1 .2910E+01

2 .2760E+01

3 .2740E+01

4 .2720E+01  
 5 .2830E+01  
 6 .2940E+01  
 7 .3100E+01  
 8 .3070E+01  
 9 .2970E+01  
 10 .2820E+01  
 11 .2830E+01  
 12 .2900E+01

Monthly RH factor for sea salt:

1 .4100E+01  
 2 .3890E+01  
 3 .3870E+01  
 4 .3850E+01  
 5 .4020E+01  
 6 .4210E+01  
 7 .4440E+01  
 8 .4380E+01  
 9 .4230E+01  
 10 .3990E+01  
 11 .4010E+01  
 12 .4110E+01

Rayleigh scattering extinction (1/Mm): 11.00

Monthly background conc. (ug/m\*\*3):

	(NH4)2SO4	(NH4)NO3	PM-C	OC	SOIL	EC	SEA SALT
1	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
2	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
3	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
4	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
5	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
6	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
7	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
8	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
9	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
10	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
11	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00
12	.2300E+00	.1000E+00	.3010E+01	.1780E+01	.4800E+00	.2000E-01	.1900E+00

Optional output file for visibility 1

Create file of DAILY (24 hour) Delta-Deciview

Output options

Units requested for output: (1/Mega-m)

Averaging time(s) selected

User-specified averaging time (hr:mm:ss): 0: 0: 0

1-pd averages: F

1-hr averages: F

3-hr averages: F

24-hr averages: T  
User-specified averages: F  
Length of run averages: F

Output components selected

Top-50: F  
Top-N values at each receptor: F  
Exceedance counts at each receptor: F  
Output selected information for debugging: F  
Echo tables for selected days: F  
Time-series for selected days: F  
Peak value Time-series for selected days: F

Plot file option

Plot files created: F

MAPSPEC: Species Mapping

Number of species-levels in file : 9  
Number of species-levels processed: 10

Input ID	Processing ID	Name	
1	1	SO2	1
2	2	SO4	1
3	3	NOX	1
4	4	HNO3	1
5	5	NO3	1
6	6	PMC	1
7	7	PMF	1
8	8	EC	1
9	9	SOA	1

Visibility Species

	Processing ID	Name	
sulfate	2	SO4	1
no2gas	10	NO2	1
noxgas	3	NOX	1
nitrate	5	NO3	1
specpmf	7	PMF	1
specpmc	6	PMC	1
orgcarb	9	SOA	1
lmncarb	8	EC	1

IDENTIFICATION OF PROCESSED MODEL FILE -----

CALPUFF 5.8.4 130731

CLECO, Brame, Nesbitt  
ALM-step1  
Repartitioning of NO3/HNO3

Averaging time for values reported from model:  
1 HOUR



EESOIL,EEEC,EENO2 = 1.00000000 10.00000000 0.175500005  
navg,ntop = 0 4  
navgh,navgm,navgs = 0 0 0  
itop = 1 2 3 4  
L[1,3,24]HR = F F T  
LNAVG, LRUNL = F F  
LT50, LTOPN, LEXCD = F F F  
LECHO, LTIME, LPEAK = F F F  
THRESH1 = -1.00000000  
THRESH3 = -1.00000000  
THRESH24 = -1.00000000  
THRESHN = -1.00000000  
LPLT, LGRD = F F  
MDVIS = 1  
LDEBUG = F  
LCTSG = F

CONTENTS OF HEADER OF MODEL OUTPUT FILE -----

model: CALPUFF 5.8.4 130731  
msyr,mjsday = 2002 365  
mshr,mssec = 23 0  
nsecdt (period) = 3600  
xbtz = 6.00000000  
mnper,nszout,mavgpd = 8740 9 1  
xorigkm,yorigkm,nssta = -951.547058 -1646.63708 0  
ielmet,jelmet = 462 376  
delx,dely,nz = 4.00000000 4.00000000 1  
iastar,iastop,jastar,jastop = 288 451 117 274  
isastr,isastp,jsastr,jsastp = 1 462 1 376  
(computed) ngx,ngy = 462 376  
meshdn,npts,nareas = 1 1 0  
nlines,nvols = 0 0  
ndrec,nctrec,LSGRID = 120 0 F

Discrete Receptors (n,x,y,z):

1 270.325867 -617.518921 365.000000  
2 271.090393 -617.494019 365.000000  
3 271.854797 -617.469116 368.000000  
4 268.767273 -616.646362 411.000000  
5 269.531677 -616.621704 462.000000  
6 270.295959 -616.597046 431.000000  
7 271.060364 -616.572144 518.000000  
8 271.824768 -616.547241 487.000000  
9 272.589050 -616.522339 396.000000  
10 265.680481 -615.822632 518.000000  
11 266.444763 -615.798218 523.000000  
12 267.209045 -615.773682 548.000000  
13 267.973328 -615.749146 579.000000  
14 268.737610 -615.724487 547.000000  
15 269.501892 -615.699829 538.000000  
16 270.266174 -615.675049 640.000000  
17 271.030334 -615.650269 608.000000  
18 260.301697 -615.069458 335.000000  
19 261.065857 -615.045532 431.000000  
20 261.830139 -615.021606 457.000000  
21 262.594299 -614.997559 414.000000

22 263.358459 -614.973511 426.000000  
23 264.122742 -614.949341 426.000000  
24 264.886902 -614.924927 388.000000  
25 265.651062 -614.900635 388.000000  
26 266.415344 -614.876343 365.000000  
27 267.179504 -614.851807 386.000000  
28 267.943665 -614.827271 396.000000  
29 268.707825 -614.802612 426.000000  
30 269.471985 -614.777954 446.000000  
31 270.236267 -614.753174 441.000000  
32 271.000427 -614.728394 457.000000  
33 271.764587 -614.703491 465.000000  
34 272.528748 -614.678589 442.000000  
35 273.293030 -614.653442 426.000000  
36 260.272888 -614.147583 304.000000  
37 261.036926 -614.123657 304.000000  
38 261.801086 -614.099731 319.000000  
39 262.565247 -614.075684 334.000000  
40 263.329407 -614.051636 370.000000  
41 264.093567 -614.027344 405.000000  
42 264.857605 -614.003052 409.000000  
43 265.621765 -613.978760 450.000000  
44 266.385803 -613.954346 518.000000  
45 267.149963 -613.929932 609.000000  
46 267.914124 -613.905396 534.000000  
47 268.678162 -613.880737 517.000000  
48 269.442200 -613.856079 575.000000  
49 270.206360 -613.831299 600.000000  
50 270.970520 -613.806519 609.000000  
51 271.734558 -613.781616 609.000000  
52 272.498596 -613.756714 561.000000  
53 261.008118 -613.201782 335.000000  
54 261.772156 -613.177856 432.000000  
55 262.536194 -613.153809 487.000000  
56 263.300232 -613.129639 499.000000  
57 264.064270 -613.105469 514.000000  
58 264.828308 -613.081177 442.000000  
59 265.592346 -613.056885 439.000000  
60 266.356384 -613.032471 395.000000  
61 267.120422 -613.007935 400.000000  
62 267.884460 -612.983521 426.000000  
63 268.648499 -612.958862 487.000000  
64 269.412415 -612.934204 548.000000  
65 270.176453 -612.909424 548.000000  
66 270.940491 -612.884644 548.000000  
67 271.704529 -612.859741 535.000000  
68 261.743225 -612.255981 304.000000  
69 262.507141 -612.231812 334.000000  
70 263.271179 -612.207764 396.000000  
71 264.035095 -612.183594 457.000000  
72 264.799011 -612.159302 457.000000  
73 265.563049 -612.135010 426.000000  
74 266.326965 -612.110596 411.000000  
75 267.090881 -612.086182 406.000000  
76 267.854797 -612.061646 396.000000  
77 268.618713 -612.036987 401.000000

78 269.382629 -612.012329 397.000000  
79 261.714294 -611.334106 322.000000  
80 262.478088 -611.309937 334.000000  
81 777.710144 -1118.01306 0.00000000E+00  
82 779.970764 -1115.93896 0.00000000E+00  
83 780.696716 -1114.93750 0.00000000E+00  
84 781.422424 -1113.93604 0.00000000E+00  
85 785.606995 -1106.06689 0.00000000E+00  
86 789.226868 -1101.05811 0.00000000E+00  
87 789.783264 -1098.19727 0.00000000E+00  
88 791.229431 -1096.19348 1.00000000  
89 791.145813 -1095.26416 1.00000000  
90 791.784729 -1093.33289 1.00000000  
91 791.700989 -1092.40356 1.00000000  
92 792.339539 -1090.47253 1.00000000  
93 792.255920 -1089.54321 1.00000000  
94 792.172058 -1088.61401 1.00000000  
95 792.088196 -1087.68494 1.00000000  
96 792.004456 -1086.75574 0.00000000E+00  
97 791.920715 -1085.82666 0.00000000E+00  
98 791.753235 -1083.96826 0.00000000E+00  
99 792.558533 -1083.89575 1.00000000  
100 792.474670 -1082.96667 1.00000000  
101 791.585754 -1082.11023 0.00000000E+00  
102 792.390930 -1082.03760 1.00000000  
103 791.502014 -1081.18127 0.00000000E+00  
104 792.307068 -1081.10864 1.00000000  
105 791.418152 -1080.25220 1.00000000  
106 791.334412 -1079.32324 1.00000000  
107 790.445862 -1078.46667 0.00000000E+00  
108 791.250549 -1078.39417 1.00000000  
109 790.362244 -1077.53772 0.00000000E+00  
110 791.166931 -1077.46521 1.00000000  
111 790.278625 -1076.60876 0.00000000E+00  
112 790.194885 -1075.67993 0.00000000E+00  
113 790.111267 -1074.75098 1.00000000  
114 789.223206 -1073.89453 0.00000000E+00  
115 789.139709 -1072.96558 0.00000000E+00  
116 788.251770 -1072.10913 0.00000000E+00  
117 788.168274 -1071.18030 1.00000000  
118 787.280823 -1070.32373 0.00000000E+00  
119 786.393372 -1069.46704 0.00000000E+00  
120 785.506165 -1068.61035 0.00000000E+00

Surface Met Station UTM's (n,x,y):

Control-file POINT Sources : 1  
EMARB-file POINT Sources : 0  
Control-file AREA Sources : 0  
EMARB-file AREA Sources : 0  
Control-file LINE Sources : 0  
EMARB-file LINE Sources : 0  
Control-file VOLUME Sources: 0  
EMARB-file VOLUME Sources : 0

Source Names

UNIT\_1

-----  
INPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.INP	5	CT_NESBITT_03D_BRET.inp
MODEL.DAT	4	pu_nesbitt_03d.flx

-----  
OUTPUT FILES

Default Name	Unit No.	File Name and Path
CALPOST.LST	8	ct_nesbitt_03d_bret.lst

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CALPOST Version 6.221      Level 080724  
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24HR VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

START TIME	Modeled Extinction by Species															
Small Large SSalt																
YEAR DAY HR RECEPTOR	COORDINATES (km)	TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)	%CHANGE										
bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)							
2002 365 23 120	785.506 -1068.610	D	0.099	23.365	23.464	0.42	0.059	0.038	0.000	0.001	0.000	0.001	0.000	4.060	2.900	4.110
2003 1 23 120	785.506 -1068.610	D	0.081	23.376	23.458	0.35	0.051	0.027	0.000	0.001	0.000	0.001	0.001	4.080	2.910	4.100
2003 2 23 81	777.710 -1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.080	2.910	4.100
2003 3 23 81	777.710 -1118.013	D	0.014	23.376	23.391	0.06	0.008	0.006	0.000	0.000	0.000	0.000	0.000	4.080	2.910	4.100
2003 4 23 85	785.607 -1106.067	D	0.331	23.376	23.707	1.42	0.183	0.143	0.001	0.002	0.001	0.002	0.000	4.080	2.910	4.100
2003 5 23 120	785.506 -1068.610	D	0.164	23.376	23.541	0.70	0.101	0.060	0.000	0.001	0.000	0.002	0.000	4.080	2.910	4.100
2003 6 23 81	777.710 -1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000	0.000	0.000	0.000	0.000	4.080	2.910	4.100

2003	7	23	120	785.506	-1068.610	D	0.702	23.376	24.078	3.00	0.441	0.238	0.003
0.008	0.002	0.010	0.002	4.080	2.910	4.100							
2003	8	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	9	23	84	781.422	-1113.936	D	0.067	23.376	23.443	0.29	0.038	0.027	0.000
0.001	0.000	0.001	0.000	4.080	2.910	4.100							
2003	10	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	11	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	12	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	13	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	14	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	15	23	120	785.506	-1068.610	D	0.044	23.376	23.420	0.19	0.032	0.009	0.000
0.001	0.000	0.001	0.000	4.080	2.910	4.100							
2003	16	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	17	23	81	777.710	-1118.013	D	0.144	23.376	23.521	0.62	0.074	0.068	0.000
0.001	0.000	0.001	0.000	4.080	2.910	4.100							
2003	18	23	120	785.506	-1068.610	D	0.419	23.376	23.796	1.79	0.203	0.204	0.001
0.004	0.001	0.005	0.001	4.080	2.910	4.100							
2003	19	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	20	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	21	23	86	789.227	-1101.058	D	1.088	23.376	24.465	4.66	0.822	0.244	0.002
0.007	0.002	0.009	0.003	4.080	2.910	4.100							
2003	22	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	23	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	24	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	25	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	26	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	27	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	28	23	81	777.710	-1118.013	D	0.000	23.376	23.376	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	29	23	81	777.710	-1118.013	D	0.012	23.376	23.388	0.05	0.003	0.009	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	30	23	120	785.506	-1068.610	D	0.007	23.376	23.384	0.03	0.005	0.002	0.000
0.000	0.000	0.000	0.000	4.080	2.910	4.100							
2003	31	23	120	785.506	-1068.610	D	2.094	23.376	25.470	8.96	1.635	0.427	0.003
0.010	0.003	0.013	0.003	4.080	2.910	4.100							
2003	32	23	87	789.783	-1098.197	D	0.610	23.114	23.724	2.64	0.458	0.144	0.001
0.003	0.001	0.004	0.000	3.820	2.760	3.890							
2003	33	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.820	2.760	3.890							
2003	34	23	120	785.506	-1068.610	D	0.018	23.114	23.132	0.08	0.007	0.010	0.000
0.000	0.000	0.000	0.001	3.820	2.760	3.890							

2003	35	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	36	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	37	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	38	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	39	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	40	23	81	777.710	-1118.013	D	0.196	23.114	23.310	0.85	0.134	0.058	0.000
0.001	0.000	0.001	0.001	0.001	3.820	2.760	3.890						
2003	41	23	120	785.506	-1068.610	D	0.048	23.114	23.162	0.21	0.036	0.012	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	42	23	120	785.506	-1068.610	D	0.151	23.114	23.265	0.65	0.125	0.023	0.000
0.001	0.000	0.001	0.000	0.000	3.820	2.760	3.890						
2003	43	23	120	785.506	-1068.610	D	0.237	23.114	23.351	1.03	0.194	0.039	0.000
0.001	0.000	0.002	0.000	0.000	3.820	2.760	3.890						
2003	44	23	120	785.506	-1068.610	D	0.001	23.114	23.115	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	45	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	46	23	81	777.710	-1118.013	D	0.135	23.114	23.249	0.58	0.086	0.046	0.000
0.000	0.000	0.001	0.001	0.001	3.820	2.760	3.890						
2003	47	23	81	777.710	-1118.013	D	0.024	23.114	23.138	0.10	0.013	0.010	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	48	23	81	777.710	-1118.013	D	0.003	23.114	23.117	0.01	0.002	0.001	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	49	23	120	785.506	-1068.610	D	0.000	23.114	23.115	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	50	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	51	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	52	23	120	785.506	-1068.610	D	0.061	23.114	23.176	0.27	0.047	0.012	0.000
0.001	0.000	0.001	0.000	0.000	3.820	2.760	3.890						
2003	53	23	81	777.710	-1118.013	D	0.000	23.114	23.114	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	54	23	120	785.506	-1068.610	D	0.001	23.114	23.116	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	55	23	120	785.506	-1068.610	D	0.008	23.114	23.122	0.03	0.005	0.002	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	56	23	120	785.506	-1068.610	D	0.001	23.114	23.115	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	57	23	81	777.710	-1118.013	D	0.002	23.114	23.116	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	58	23	81	777.710	-1118.013	D	0.001	23.114	23.115	0.00	0.001	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	59	23	120	785.506	-1068.610	D	0.000	23.114	23.115	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.820	2.760	3.890						
2003	60	23	107	790.446	-1078.467	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	61	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						
2003	62	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	0.000	3.790	2.740	3.870						

2003	63	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	64	23	120	785.506	-1068.610	D	0.003	23.085	23.088	0.01	0.001	0.002	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	65	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	66	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	67	23	120	785.506	-1068.610	D	0.004	23.085	23.089	0.02	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	68	23	81	777.710	-1118.013	D	0.022	23.085	23.108	0.10	0.020	0.002	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	69	23	120	785.506	-1068.610	D	0.023	23.085	23.109	0.10	0.021	0.002	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	70	23	120	785.506	-1068.610	D	0.001	23.085	23.086	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	71	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	72	23	120	785.506	-1068.610	D	0.054	23.085	23.140	0.24	0.042	0.012	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	73	23	120	785.506	-1068.610	D	0.417	23.085	23.502	1.80	0.309	0.106	0.000
0.001	0.000	0.001	0.000	3.790	2.740	3.870							
2003	74	23	120	785.506	-1068.610	D	0.095	23.085	23.180	0.41	0.071	0.024	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	75	23	120	785.506	-1068.610	D	0.000	23.085	23.086	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	76	23	114	789.223	-1073.895	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	77	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	78	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	79	23	114	789.223	-1073.895	D	0.669	23.085	23.754	2.90	0.504	0.140	0.003
0.008	0.002	0.010	0.001	3.790	2.740	3.870							
2003	80	23	120	785.506	-1068.610	D	0.261	23.085	23.346	1.13	0.188	0.067	0.001
0.002	0.001	0.003	0.000	3.790	2.740	3.870							
2003	81	23	81	777.710	-1118.013	D	0.773	23.085	23.858	3.35	0.610	0.149	0.002
0.005	0.001	0.006	0.000	3.790	2.740	3.870							
2003	82	23	81	777.710	-1118.013	D	0.340	23.085	23.426	1.47	0.240	0.095	0.001
0.002	0.001	0.003	0.000	3.790	2.740	3.870							
2003	83	23	120	785.506	-1068.610	D	0.008	23.085	23.094	0.04	0.006	0.002	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	84	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	85	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	86	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	87	23	120	785.506	-1068.610	D	0.063	23.085	23.148	0.27	0.050	0.011	0.000
0.001	0.000	0.001	0.000	3.790	2.740	3.870							
2003	88	23	81	777.710	-1118.013	D	0.000	23.085	23.085	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	89	23	120	785.506	-1068.610	D	0.007	23.085	23.092	0.03	0.005	0.001	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							
2003	90	23	120	785.506	-1068.610	D	0.033	23.085	23.118	0.14	0.020	0.012	0.000
0.000	0.000	0.000	0.000	3.790	2.740	3.870							

2003	91	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	92	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	93	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	94	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	95	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	96	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	97	23	120	785.506	-1068.610	D	0.086	23.042	23.128	0.37	0.065	0.021	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	98	23	88	791.229	-1096.193	D	0.029	23.042	23.071	0.13	0.022	0.007	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	99	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	100	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	101	23	81	777.710	-1118.013	D	0.075	23.042	23.117	0.33	0.065	0.009	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	102	23	81	777.710	-1118.013	D	0.506	23.042	23.548	2.20	0.424	0.075	0.001
0.002	0.001	0.003	0.000	3.740	2.720	3.850							
2003	103	23	120	785.506	-1068.610	D	0.196	23.042	23.238	0.85	0.175	0.019	0.000
0.001	0.000	0.001	0.000	3.740	2.720	3.850							
2003	104	23	120	785.506	-1068.610	D	0.003	23.042	23.045	0.01	0.003	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	105	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	106	23	120	785.506	-1068.610	D	0.089	23.042	23.131	0.39	0.076	0.010	0.000
0.001	0.000	0.001	0.000	3.740	2.720	3.850							
2003	107	23	81	777.710	-1118.013	D	0.167	23.042	23.209	0.72	0.116	0.047	0.000
0.001	0.000	0.002	0.000	3.740	2.720	3.850							
2003	108	23	120	785.506	-1068.610	D	0.001	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	109	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	110	23	120	785.506	-1068.610	D	0.139	23.042	23.181	0.60	0.125	0.010	0.000
0.001	0.000	0.002	0.000	3.740	2.720	3.850							
2003	111	23	87	789.783	-1098.197	D	0.108	23.042	23.149	0.47	0.080	0.025	0.000
0.001	0.000	0.001	0.000	3.740	2.720	3.850							
2003	112	23	81	777.710	-1118.013	D	0.001	23.042	23.043	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	113	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	114	23	120	785.506	-1068.610	D	0.080	23.042	23.121	0.35	0.061	0.017	0.000
0.001	0.000	0.001	0.000	3.740	2.720	3.850							
2003	115	23	81	777.710	-1118.013	D	0.134	23.042	23.176	0.58	0.105	0.026	0.000
0.001	0.000	0.001	0.000	3.740	2.720	3.850							
2003	116	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	117	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							
2003	118	23	81	777.710	-1118.013	D	0.000	23.042	23.042	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	3.740	2.720	3.850							



2003 147 23 81	777.710 -1118.013 D	0.000	23.246	23.246	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020							
2003 148 23 81	777.710 -1118.013 D	0.204	23.246	23.450	0.88	0.194	0.006	0.000
0.001 0.000 0.002	0.000 3.940 2.830 4.020							
2003 149 23 81	777.710 -1118.013 D	0.689	23.246	23.935	2.96	0.652	0.026	0.001
0.004 0.001 0.005	0.000 3.940 2.830 4.020							
2003 150 23 113	790.111 -1074.751 D	0.004	23.246	23.250	0.02	0.003	0.001	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020							
2003 151 23 120	785.506 -1068.610 D	0.051	23.246	23.297	0.22	0.049	0.001	0.000
0.000 0.000 0.000	0.000 3.940 2.830 4.020							
2003 152 23 120	785.506 -1068.610 D	0.005	23.442	23.447	0.02	0.004	0.001	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 153 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 154 23 120	785.506 -1068.610 D	0.060	23.442	23.502	0.26	0.058	0.002	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 155 23 120	785.506 -1068.610 D	0.012	23.442	23.455	0.05	0.011	0.001	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 156 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 157 23 81	777.710 -1118.013 D	0.007	23.442	23.449	0.03	0.007	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 158 23 81	777.710 -1118.013 D	0.026	23.442	23.468	0.11	0.025	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 159 23 120	785.506 -1068.610 D	0.003	23.442	23.446	0.01	0.003	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 160 23 120	785.506 -1068.610 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 161 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 162 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 163 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 164 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 165 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 166 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 167 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 168 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 169 23 120	785.506 -1068.610 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 170 23 120	785.506 -1068.610 D	0.023	23.442	23.465	0.10	0.022	0.001	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 171 23 120	785.506 -1068.610 D	0.008	23.442	23.450	0.03	0.008	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 172 23 115	789.140 -1072.966 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 173 23 109	790.362 -1077.538 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							
2003 174 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210							

2003 175 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 176 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 177 23 120	785.506 -1068.610 D	0.005	23.442	23.447	0.02	0.005	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 178 23 81	777.710 -1118.013 D	0.008	23.442	23.450	0.04	0.008	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 179 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 180 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 181 23 81	777.710 -1118.013 D	0.000	23.442	23.442	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.120 2.940 4.210								
2003 182 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 183 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 184 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 185 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 186 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 187 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 188 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 189 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 190 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 191 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 192 23 120	785.506 -1068.610 D	0.000	23.733	23.734	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 193 23 120	785.506 -1068.610 D	0.001	23.733	23.735	0.01	0.001	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 194 23 120	785.506 -1068.610 D	0.000	23.733	23.734	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 195 23 120	785.506 -1068.610 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 196 23 81	777.710 -1118.013 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 197 23 120	785.506 -1068.610 D	0.212	23.733	23.945	0.89	0.203	0.006	0.000	0.000
0.001 0.000 0.001	0.000 4.410 3.100 4.440								
2003 198 23 120	785.506 -1068.610 D	0.162	23.733	23.895	0.68	0.146	0.014	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 199 23 120	785.506 -1068.610 D	0.103	23.733	23.836	0.44	0.096	0.007	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								
2003 200 23 120	785.506 -1068.610 D	1.031	23.733	24.764	4.35	1.000	0.022	0.001	0.001
0.003 0.001 0.004	0.000 4.410 3.100 4.440								
2003 201 23 120	785.506 -1068.610 D	0.375	23.733	24.108	1.58	0.334	0.035	0.001	0.001
0.002 0.001 0.002	0.000 4.410 3.100 4.440								
2003 202 23 87	789.783 -1098.197 D	0.000	23.733	23.733	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.410 3.100 4.440								

2003 203 23	120	785.506	-1068.610	D	0.008	23.733	23.741	0.03	0.005	0.003	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2003 204 23	120	785.506	-1068.610	D	0.055	23.733	23.788	0.23	0.044	0.011	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2003 205 23	81	777.710	-1118.013	D	0.016	23.733	23.749	0.07	0.015	0.001	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2003 206 23	120	785.506	-1068.610	D	0.001	23.733	23.734	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2003 207 23	120	785.506	-1068.610	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2003 208 23	120	785.506	-1068.610	D	0.002	23.733	23.736	0.01	0.002	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2003 209 23	120	785.506	-1068.610	D	0.046	23.733	23.779	0.19	0.042	0.003	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2003 210 23	120	785.506	-1068.610	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2003 211 23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2003 212 23	81	777.710	-1118.013	D	0.000	23.733	23.733	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.410	3.100	4.440					
2003 213 23	120	785.506	-1068.610	D	0.001	23.684	23.685	0.01	0.001	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 214 23	120	785.506	-1068.610	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 215 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 216 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 217 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 218 23	120	785.506	-1068.610	D	0.064	23.684	23.748	0.27	0.054	0.009	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 219 23	81	777.710	-1118.013	D	0.061	23.684	23.745	0.26	0.052	0.009	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 220 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 221 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 222 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 223 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 224 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 225 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 226 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 227 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 228 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 229 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					
2003 230 23	81	777.710	-1118.013	D	0.000	23.684	23.684	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000	4.370	3.070	4.380					





2003 287 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990								
2003 288 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	0.000
0.000 0.000 0.000	0.000 3.920 2.820 3.990								
2003 289 23 120	785.506 -1068.610 D	0.067	23.221	23.289	0.29	0.058	0.008	0.000	
0.001 0.000 0.001	0.000 3.920 2.820 3.990								
2003 290 23 120	785.506 -1068.610 D	0.156	23.221	23.377	0.67	0.104	0.050	0.000	
0.001 0.000 0.001	0.000 3.920 2.820 3.990								
2003 291 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.920 2.820 3.990								
2003 292 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.920 2.820 3.990								
2003 293 23 120	785.506 -1068.610 D	1.311	23.221	24.532	5.65	1.170	0.108	0.004	
0.011 0.003 0.014	0.000 3.920 2.820 3.990								
2003 294 23 81	777.710 -1118.013 D	0.247	23.221	23.468	1.06	0.162	0.076	0.001	
0.003 0.001 0.004	0.000 3.920 2.820 3.990								
2003 295 23 81	777.710 -1118.013 D	0.068	23.221	23.289	0.29	0.053	0.012	0.000	
0.001 0.000 0.001	0.000 3.920 2.820 3.990								
2003 296 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.920 2.820 3.990								
2003 297 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.920 2.820 3.990								
2003 298 23 120	785.506 -1068.610 D	0.001	23.221	23.222	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.920 2.820 3.990								
2003 299 23 81	777.710 -1118.013 D	0.158	23.221	23.380	0.68	0.116	0.041	0.000	
0.000 0.000 0.000	0.000 3.920 2.820 3.990								
2003 300 23 120	785.506 -1068.610 D	0.044	23.221	23.266	0.19	0.030	0.013	0.000	
0.000 0.000 0.000	0.000 3.920 2.820 3.990								
2003 301 23 120	785.506 -1068.610 D	0.476	23.221	23.697	2.05	0.361	0.105	0.001	
0.003 0.001 0.004	0.000 3.920 2.820 3.990								
2003 302 23 120	785.506 -1068.610 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.920 2.820 3.990								
2003 303 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.920 2.820 3.990								
2003 304 23 81	777.710 -1118.013 D	0.000	23.221	23.221	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.920 2.820 3.990								
2003 305 23 81	777.710 -1118.013 D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.930 2.830 4.010								
2003 306 23 81	777.710 -1118.013 D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.930 2.830 4.010								
2003 307 23 81	777.710 -1118.013 D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.930 2.830 4.010								
2003 308 23 81	777.710 -1118.013 D	0.000	23.235	23.236	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.930 2.830 4.010								
2003 309 23 120	785.506 -1068.610 D	0.891	23.235	24.126	3.83	0.758	0.113	0.002	
0.007 0.002 0.009	0.000 3.930 2.830 4.010								
2003 310 23 87	789.783 -1098.197 D	0.572	23.235	23.807	2.46	0.430	0.132	0.001	
0.003 0.001 0.004	0.000 3.930 2.830 4.010								
2003 311 23 81	777.710 -1118.013 D	0.018	23.235	23.253	0.08	0.015	0.002	0.000	
0.000 0.000 0.000	0.000 3.930 2.830 4.010								
2003 312 23 81	777.710 -1118.013 D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.930 2.830 4.010								
2003 313 23 81	777.710 -1118.013 D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.930 2.830 4.010								
2003 314 23 81	777.710 -1118.013 D	0.000	23.235	23.235	0.00	0.000	0.000	0.000	
0.000 0.000 0.000	0.000 3.930 2.830 4.010								

2003 315 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 316 23	120	785.506	-1068.610	D	0.077	23.235	23.312	0.33	0.040	0.034	0.000
0.001	0.000	0.001	0.000								
2003 317 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 318 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 319 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 320 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 321 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 322 23	87	789.783	-1098.197	D	0.024	23.235	23.260	0.11	0.008	0.014	0.000
0.001	0.000	0.001	0.001								
2003 323 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 324 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 325 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 326 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 327 23	120	785.506	-1068.610	D	0.007	23.235	23.243	0.03	0.000	0.006	0.000
0.000	0.000	0.000	0.001								
2003 328 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 329 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 330 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 331 23	120	785.506	-1068.610	D	0.046	23.235	23.281	0.20	0.019	0.025	0.000
0.000	0.000	0.000	0.001								
2003 332 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 333 23	81	777.710	-1118.013	D	0.000	23.235	23.235	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 334 23	120	785.506	-1068.610	D	0.082	23.235	23.317	0.35	0.065	0.015	0.000
0.001	0.000	0.001	0.000								
2003 335 23	81	777.710	-1118.013	D	0.007	23.365	23.371	0.03	0.005	0.002	0.000
0.000	0.000	0.000	0.000								
2003 336 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 337 23	120	785.506	-1068.610	D	0.224	23.365	23.589	0.96	0.169	0.051	0.000
0.001	0.000	0.001	0.000								
2003 338 23	92	792.340	-1090.473	D	0.229	23.365	23.593	0.98	0.165	0.061	0.000
0.001	0.000	0.001	0.000								
2003 339 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 340 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 341 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								
2003 342 23	81	777.710	-1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000	0.000	0.000	0.000								

2003 343 23 120	785.506 -1068.610	D	0.177	23.365	23.542	0.76	0.101	0.066	0.001
0.003 0.001 0.004	0.002 4.060 2.900 4.110								
2003 344 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 345 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 346 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 347 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 348 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 349 23 120	785.506 -1068.610	D	0.059	23.365	23.424	0.25	0.044	0.013	0.000
0.001 0.000 0.001	0.000 4.060 2.900 4.110								
2003 350 23 81	777.710 -1118.013	D	0.005	23.365	23.370	0.02	0.003	0.002	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 351 23 86	789.227 -1101.058	D	0.250	23.365	23.615	1.07	0.154	0.088	0.001
0.003 0.001 0.003	0.000 4.060 2.900 4.110								
2003 352 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 353 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 354 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 355 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 356 23 117	788.168 -1071.180	D	0.131	23.365	23.496	0.56	0.088	0.042	0.000
0.000 0.000 0.001	0.001 4.060 2.900 4.110								
2003 357 23 104	792.307 -1081.109	D	0.027	23.365	23.392	0.12	0.017	0.010	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 358 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 359 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 360 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 361 23 81	777.710 -1118.013	D	0.000	23.365	23.365	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 362 23 81	777.710 -1118.013	D	0.043	23.365	23.408	0.18	0.023	0.020	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								
2003 363 23 82	779.971 -1115.939	D	0.001	23.365	23.366	0.00	0.000	0.000	0.000
0.000 0.000 0.000	0.000 4.060 2.900 4.110								

--- Ranked Daily Visibility Change ---

START TIME	Modeled Extinction by Species										
Small Large SSalt											
YEAR DAY HR RECEPTOR	COORDINATES (km)					TYPE	BEXT(Model)	BEXT(BKG)	BEXT(Total)		
%CHANGE	bxSO4	bxNO3	bxOC	bxEC	bxPMC	bxPMF	bxNO2	F(RH)	F(RH)	F(RH)	
2003 31 23 120	785.506	-1068.610	D	2.094	23.376	25.470	8.96	1.635	0.427	0.003	
0.010	0.003	0.013	0.003	4.080	2.910	4.100	1				
2003 293 23 120	785.506	-1068.610	D	1.311	23.221	24.532	5.65	1.170	0.108	0.004	
0.011	0.003	0.014	0.000	3.920	2.820	3.990	2				
2003 21 23 86	789.227	-1101.058	D	1.088	23.376	24.465	4.66	0.822	0.244	0.002	
0.007	0.002	0.009	0.003	4.080	2.910	4.100	3				
2003 200 23 120	785.506	-1068.610	D	1.031	23.733	24.764	4.35	1.000	0.022	0.001	

0.003	0.001	0.004	0.000	4.410	3.100	4.440	4							
2003	309	23	120	785.506	-1068.610	D	0.891	23.235	24.126	3.83	0.758	0.113	0.002	
0.007	0.002	0.009	0.000	3.930	2.830	4.010	5							
2003	81	23	81	777.710	-1118.013	D	0.773	23.085	23.858	3.35	0.610	0.149	0.002	
0.005	0.001	0.006	0.000	3.790	2.740	3.870	6							
2003	7	23	120	785.506	-1068.610	D	0.702	23.376	24.078	3.00	0.441	0.238	0.003	
0.008	0.002	0.010	0.002	4.080	2.910	4.100	7							
2003	149	23	81	777.710	-1118.013	D	0.689	23.246	23.935	2.96	0.652	0.026	0.001	
0.004	0.001	0.005	0.000	3.940	2.830	4.020	8							
2003	79	23	114	789.223	-1073.895	D	0.669	23.085	23.754	2.90	0.504	0.140	0.003	
0.008	0.002	0.010	0.001	3.790	2.740	3.870	9							
2003	32	23	87	789.783	-1098.197	D	0.610	23.114	23.724	2.64	0.458	0.144	0.001	
0.003	0.001	0.004	0.000	3.820	2.760	3.890	10							
2003	310	23	87	789.783	-1098.197	D	0.572	23.235	23.807	2.46	0.430	0.132	0.001	
0.003	0.001	0.004	0.000	3.930	2.830	4.010	11							
2003	102	23	81	777.710	-1118.013	D	0.506	23.042	23.548	2.20	0.424	0.075	0.001	
0.002	0.001	0.003	0.000	3.740	2.720	3.850	12							
2003	301	23	120	785.506	-1068.610	D	0.476	23.221	23.697	2.05	0.361	0.105	0.001	
0.003	0.001	0.004	0.000	3.920	2.820	3.990	13							
2003	73	23	120	785.506	-1068.610	D	0.417	23.085	23.502	1.80	0.309	0.106	0.000	
0.001	0.000	0.001	0.000	3.790	2.740	3.870	14							
2003	18	23	120	785.506	-1068.610	D	0.419	23.376	23.796	1.79	0.203	0.204	0.001	
0.004	0.001	0.005	0.001	4.080	2.910	4.100	15							
2003	201	23	120	785.506	-1068.610	D	0.375	23.733	24.108	1.58	0.334	0.035	0.001	
0.002	0.001	0.002	0.000	4.410	3.100	4.440	16							
2003	82	23	81	777.710	-1118.013	D	0.340	23.085	23.426	1.47	0.240	0.095	0.001	
0.002	0.001	0.003	0.000	3.790	2.740	3.870	17							
2003	4	23	85	785.607	-1106.067	D	0.331	23.376	23.707	1.42	0.183	0.143	0.001	
0.002	0.001	0.002	0.000	4.080	2.910	4.100	18							
2003	286	23	120	785.506	-1068.610	D	0.288	23.221	23.509	1.24	0.275	0.007	0.001	
0.002	0.001	0.002	0.000	3.920	2.820	3.990	19							
2003	80	23	120	785.506	-1068.610	D	0.261	23.085	23.346	1.13	0.188	0.067	0.001	
0.002	0.001	0.003	0.000	3.790	2.740	3.870	20							
2003	351	23	86	789.227	-1101.058	D	0.250	23.365	23.615	1.07	0.154	0.088	0.001	
0.003	0.001	0.003	0.000	4.060	2.900	4.110	21							
2003	294	23	81	777.710	-1118.013	D	0.247	23.221	23.468	1.06	0.162	0.076	0.001	
0.003	0.001	0.004	0.000	3.920	2.820	3.990	22							

--- Number of days with Extinction Change => 5.0 % : 2  
 --- Number of days with Extinction Change => 10.0 % : 0  
 --- Largest Extinction Change = 8.96 %

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 CALPOST Version 6.221      Level 080724  
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Run-Length VISIBILITY

VISIB BOESNCFG

(1/Mega-m)

RECEPTOR COORDINATES (km) TYPE BEXT(Model) BEXT(BKG) BEXT(Total) %CHANGE

119 786.393 -1069.467 D 0.050 23.339 23.389 0.22

--- Number of recs with Extinction Change > 1.0 % : 0

--- Largest Extinction Change = 0.22 %

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CALPOST Version 6.221 Level 080724

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24HR VISIBILITY

VISIB BOESNCFG

(deciview)

START TIME

% of Modeled Extinction by Species

Small Large SSalt

YEAR	DAY	HR	RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA DV	%_SO4	%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)
2002	365	23	120	785.506 -1068.610	D	8.529	8.486	0.042	59.41	38.80	0.19	0.56	0.17	0.70	0.17	4.060	2.900	4.110
2003	1	23	120	785.506 -1068.610	D	8.526	8.491	0.035	62.61	32.72	0.45	1.33	1.67	0.82	4.080	2.910	4.100	4.100
2003	2	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	4.100
2003	3	23	81	777.710 -1118.013	D	8.498	8.491	0.006	54.25	43.96	0.20	0.61	0.77	0.03	4.080	2.910	4.100	4.100
2003	4	23	85	785.607 -1106.067	D	8.632	8.491	0.141	55.24	43.06	0.19	0.58	0.72	0.03	4.080	2.910	4.100	4.100
2003	5	23	120	785.506 -1068.610	D	8.562	8.491	0.070	61.26	36.38	0.27	0.81	1.01	0.02	4.080	2.910	4.100	4.100
2003	6	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	4.100
2003	7	23	120	785.506 -1068.610	D	8.787	8.491	0.296	62.76	33.87	0.37	1.09	1.36	0.22	4.080	2.910	4.100	4.100
2003	8	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	4.100
2003	9	23	84	781.422 -1113.936	D	8.520	8.491	0.028	56.57	40.57	0.30	0.88	1.11	0.31	4.080	2.910	4.100	4.100
2003	10	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	4.100
2003	11	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	4.100
2003	12	23	81	777.710 -1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00	4.080	2.910	4.100	4.100

2003	13	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.080	2.910	4.100				
2003	14	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.080	2.910	4.100				
2003	15	23	120	785.506	-1068.610	D	8.510	8.491	0.019	73.99	21.33	0.50	1.47		
				0.44	1.84				0.42	4.080	2.910	4.100			
2003	16	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.080	2.910	4.100				
2003	17	23	81	777.710	-1118.013	D	8.553	8.491	0.062	50.94	47.29	0.21	0.61	0.18	
				0.76	0.02				4.080	2.910	4.100				
2003	18	23	120	785.506	-1068.610	D	8.669	8.491	0.178	48.48	48.78	0.29	0.87		
				0.26	1.09				0.23	4.080	2.910	4.100			
2003	19	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.080	2.910	4.100				
2003	20	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.080	2.910	4.100				
2003	21	23	86	789.227	-1101.058	D	8.946	8.491	0.455	75.52	22.41	0.21	0.63	0.19	
				0.78	0.25				4.080	2.910	4.100				
2003	22	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.080	2.910	4.100				
2003	23	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.080	2.910	4.100				
2003	24	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.080	2.910	4.100				
2003	25	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.080	2.910	4.100				
2003	26	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.080	2.910	4.100				
2003	27	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.080	2.910	4.100				
2003	28	23	81	777.710	-1118.013	D	8.491	8.491	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.080	2.910	4.100				
2003	29	23	81	777.710	-1118.013	D	8.496	8.491	0.005	21.70	75.88	0.00	0.00	0.00	0.00
				0.00	2.41				4.080	2.910	4.100				
2003	30	23	120	785.506	-1068.610	D	8.495	8.491	0.003	65.97	32.63	0.13	0.37		
				0.11	0.47				0.32	4.080	2.910	4.100			
2003	31	23	120	785.506	-1068.610	D	9.349	8.491	0.858	78.09	20.38	0.16	0.49		
				0.15	0.61				0.13	4.080	2.910	4.100			
2003	32	23	87	789.783	-1098.197	D	8.639	8.379	0.260	75.06	23.56	0.16	0.47	0.14	
				0.59	0.01				3.820	2.760	3.890				
2003	33	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				3.820	2.760	3.890				
2003	34	23	120	785.506	-1068.610	D	8.387	8.379	0.008	39.74	52.93	0.50	1.49		
				0.45	1.86				3.03	3.820	2.760	3.890			
2003	35	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				3.820	2.760	3.890				
2003	36	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				3.820	2.760	3.890				
2003	37	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				3.820	2.760	3.890				
2003	38	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				3.820	2.760	3.890				
2003	39	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				3.820	2.760	3.890				
2003	40	23	81	777.710	-1118.013	D	8.463	8.379	0.084	68.50	29.59	0.14	0.41	0.12	
				0.51	0.74				3.820	2.760	3.890				

2003	41	23	120	785.506	-1068.610	D	8.399	8.379	0.021	74.15	25.55	0.03	0.10
	0.03	0.12	0.02	3.820	2.760	3.890							
2003	42	23	120	785.506	-1068.610	D	8.444	8.379	0.065	82.98	15.57	0.17	0.50
	0.15	0.63	0.00	3.820	2.760	3.890							
2003	43	23	120	785.506	-1068.610	D	8.481	8.379	0.102	82.00	16.43	0.18	0.54
	0.16	0.68	0.00	3.820	2.760	3.890							
2003	44	23	120	785.506	-1068.610	D	8.379	8.379	0.000	85.22	13.56	0.17	0.45
	0.14	0.57	0.00	3.820	2.760	3.890							
2003	45	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890								
2003	46	23	81	777.710	-1118.013	D	8.437	8.379	0.058	64.12	34.10	0.12	0.34
	0.43	0.79	3.820	2.760	3.890								
2003	47	23	81	777.710	-1118.013	D	8.389	8.379	0.010	55.73	41.76	0.26	0.77
	0.96	0.29	3.820	2.760	3.890								
2003	48	23	81	777.710	-1118.013	D	8.380	8.379	0.001	61.64	36.04	0.25	0.75
	0.93	0.14	3.820	2.760	3.890								
2003	49	23	120	785.506	-1068.610	D	8.379	8.379	0.000	70.85	27.46	0.17	0.57
	0.17	0.71	0.00	3.820	2.760	3.890							
2003	50	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890								
2003	51	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890								
2003	52	23	120	785.506	-1068.610	D	8.405	8.379	0.027	76.58	20.21	0.30	0.90
	0.27	1.12	0.62	3.820	2.760	3.890							
2003	53	23	81	777.710	-1118.013	D	8.379	8.379	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.820	2.760	3.890								
2003	54	23	120	785.506	-1068.610	D	8.379	8.379	0.001	63.24	34.43	0.30	0.80
	0.24	1.00	0.01	3.820	2.760	3.890							
2003	55	23	120	785.506	-1068.610	D	8.382	8.379	0.003	71.07	27.11	0.21	0.63
	0.19	0.79	0.00	3.820	2.760	3.890							
2003	56	23	120	785.506	-1068.610	D	8.379	8.379	0.000	67.59	31.04	0.21	0.49
	0.15	0.62	0.00	3.820	2.760	3.890							
2003	57	23	81	777.710	-1118.013	D	8.379	8.379	0.001	88.04	11.39	0.07	0.20
	0.24	0.00	3.820	2.760	3.890								
2003	58	23	81	777.710	-1118.013	D	8.379	8.379	0.000	94.20	5.49	0.05	0.09
	0.12	0.00	3.820	2.760	3.890								
2003	59	23	120	785.506	-1068.610	D	8.379	8.379	0.000	96.74	3.22	0.00	0.05
	0.07	0.00	3.820	2.760	3.890								
2003	60	23	107	790.446	-1078.467	D	8.366	8.366	0.000	95.52	3.54	0.00	0.05
	0.06	0.00	3.790	2.740	3.870								
2003	61	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	62	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	63	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	64	23	120	785.506	-1068.610	D	8.367	8.366	0.001	34.06	63.32	0.00	0.01
	0.00	0.01	2.60	3.790	2.740	3.870							
2003	65	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	66	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870								
2003	67	23	120	785.506	-1068.610	D	8.368	8.366	0.002	86.54	11.76	0.20	0.59
	0.18	0.73	0.00	3.790	2.740	3.870							
2003	68	23	81	777.710	-1118.013	D	8.376	8.366	0.010	89.04	9.40	0.18	0.54
	0.68	0.00	3.790	2.740	3.870								

2003	69	23	120	785.506	-1068.610	D	8.376	8.366	0.010	91.53	7.05	0.17	0.49	0.15
	0.62	0.00	3.790	2.740	3.870									
2003	70	23	120	785.506	-1068.610	D	8.366	8.366	0.000	89.58	8.95	0.18	0.44	0.13
	0.56	0.00	3.790	2.740	3.870									
2003	71	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870									
2003	72	23	120	785.506	-1068.610	D	8.390	8.366	0.023	76.56	22.90	0.06	0.18	
	0.05	0.22	0.02	3.790	2.740	3.870								
2003	73	23	120	785.506	-1068.610	D	8.545	8.366	0.179	74.12	25.35	0.06	0.18	
	0.05	0.23	0.01	3.790	2.740	3.870								
2003	74	23	120	785.506	-1068.610	D	8.407	8.366	0.041	74.69	24.93	0.04	0.13	
	0.04	0.17	0.00	3.790	2.740	3.870								
2003	75	23	120	785.506	-1068.610	D	8.366	8.366	0.000	80.67	19.10	0.00	0.03	
	0.01	0.04	0.00	3.790	2.740	3.870								
2003	76	23	114	789.223	-1073.895	D	8.366	8.366	0.000	31.25	18.75	0.00	0.00	
	0.00	0.00	0.00	3.790	2.740	3.870								
2003	77	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870									
2003	78	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870									
2003	79	23	114	789.223	-1073.895	D	8.652	8.366	0.286	75.34	20.96	0.41	1.21	
	0.37	1.52	0.19	3.790	2.740	3.870								
2003	80	23	120	785.506	-1068.610	D	8.479	8.366	0.112	71.90	25.61	0.29	0.86	
	0.26	1.07	0.01	3.790	2.740	3.870								
2003	81	23	81	777.710	-1118.013	D	8.696	8.366	0.329	78.91	19.26	0.21	0.63	0.19
	0.79	0.00	3.790	2.740	3.870									
2003	82	23	81	777.710	-1118.013	D	8.513	8.366	0.146	70.39	27.80	0.21	0.63	0.19
	0.79	0.00	3.790	2.740	3.870									
2003	83	23	120	785.506	-1068.610	D	8.370	8.366	0.004	75.63	22.91	0.17	0.51	
	0.15	0.64	0.00	3.790	2.740	3.870								
2003	84	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870									
2003	85	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870									
2003	86	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870									
2003	87	23	120	785.506	-1068.610	D	8.393	8.366	0.027	80.23	16.83	0.33	0.99	
	0.30	1.24	0.07	3.790	2.740	3.870								
2003	88	23	81	777.710	-1118.013	D	8.366	8.366	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.790	2.740	3.870									
2003	89	23	120	785.506	-1068.610	D	8.369	8.366	0.003	77.56	20.42	0.24	0.70	
	0.21	0.87	0.00	3.790	2.740	3.870								
2003	90	23	120	785.506	-1068.610	D	8.380	8.366	0.014	61.60	36.84	0.18	0.54	
	0.16	0.68	0.00	3.790	2.740	3.870								
2003	91	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850									
2003	92	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850									
2003	93	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850									
2003	94	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850									
2003	95	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850									
2003	96	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850									

2003	97	23	120	785.506	-1068.610	D	8.384	8.347	0.037	75.45	24.00	0.06	0.19
	0.06	0.24	0.00	3.740	2.720	3.850							
2003	98	23	88	791.229	-1096.193	D	8.360	8.347	0.013	74.50	24.96	0.06	0.19
	0.23	0.00	3.740	2.720	3.850								
2003	99	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	100	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	101	23	81	777.710	-1118.013	D	8.380	8.347	0.032	86.53	12.02	0.17	0.50
	0.15	0.62	0.00	3.740	2.720	3.850							
2003	102	23	81	777.710	-1118.013	D	8.564	8.347	0.217	83.81	14.83	0.16	0.47
	0.14	0.59	0.00	3.740	2.720	3.850							
2003	103	23	120	785.506	-1068.610	D	8.432	8.347	0.085	89.25	9.56	0.14	0.41
	0.12	0.52	0.00	3.740	2.720	3.850							
2003	104	23	120	785.506	-1068.610	D	8.349	8.347	0.001	85.48	13.56	0.11	0.34
	0.10	0.42	0.00	3.740	2.720	3.850							
2003	105	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	106	23	120	785.506	-1068.610	D	8.386	8.347	0.039	85.68	11.57	0.32	0.95
	0.29	1.19	0.00	3.740	2.720	3.850							
2003	107	23	81	777.710	-1118.013	D	8.419	8.347	0.072	69.34	28.45	0.26	0.76
	0.23	0.95	0.00	3.740	2.720	3.850							
2003	108	23	120	785.506	-1068.610	D	8.347	8.347	0.000	81.92	16.54	0.18	0.55
	0.17	0.68	0.00	3.740	2.720	3.850							
2003	109	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	110	23	120	785.506	-1068.610	D	8.407	8.347	0.060	89.68	7.44	0.33	0.99
	0.30	1.24	0.02	3.740	2.720	3.850							
2003	111	23	87	789.783	-1098.197	D	8.394	8.347	0.047	74.55	23.37	0.24	0.72
	0.22	0.90	0.00	3.740	2.720	3.850							
2003	112	23	81	777.710	-1118.013	D	8.348	8.347	0.001	76.16	22.09	0.20	0.59
	0.18	0.74	0.00	3.740	2.720	3.850							
2003	113	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	114	23	120	785.506	-1068.610	D	8.382	8.347	0.034	76.10	21.69	0.26	0.76
	0.23	0.96	0.00	3.740	2.720	3.850							
2003	115	23	81	777.710	-1118.013	D	8.405	8.347	0.058	78.35	19.08	0.30	0.89
	0.27	1.11	0.00	3.740	2.720	3.850							
2003	116	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	117	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	118	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	119	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	120	23	81	777.710	-1118.013	D	8.347	8.347	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.740	2.720	3.850								
2003	121	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020								
2003	122	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020								
2003	123	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020								
2003	124	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	3.940	2.830	4.020								

2003	125	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	126	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	127	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	128	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	129	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	130	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	131	23	120	785.506	-1068.610	D	8.453	8.435	0.018	91.55	7.59	0.10	0.30		
0.09 0.37 0.00 3.940 2.830 4.020															
2003	132	23	81	777.710	-1118.013	D	8.437	8.435	0.001	89.74	9.53	0.09	0.26	0.08	
0.32 0.00 3.940 2.830 4.020															
2003	133	23	120	785.506	-1068.610	D	8.436	8.435	0.000	87.23	11.84	0.00	0.19		
0.06 0.24 0.00 3.940 2.830 4.020															
2003	134	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	135	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	136	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	137	23	120	785.506	-1068.610	D	8.440	8.435	0.004	94.54	3.76	0.20	0.59		
0.18 0.74 0.00 3.940 2.830 4.020															
2003	138	23	120	785.506	-1068.610	D	8.448	8.435	0.012	86.56	11.85	0.19	0.55		
0.17 0.69 0.00 3.940 2.830 4.020															
2003	139	23	120	785.506	-1068.610	D	8.438	8.435	0.003	91.82	7.13	0.12	0.36		
0.11 0.45 0.00 3.940 2.830 4.020															
2003	140	23	81	777.710	-1118.013	D	8.437	8.435	0.001	93.68	5.40	0.11	0.33	0.10	
0.41 0.00 3.940 2.830 4.020															
2003	141	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	142	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	143	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	144	23	120	785.506	-1068.610	D	8.440	8.435	0.005	93.69	5.10	0.14	0.42		
0.13 0.52 0.00 3.940 2.830 4.020															
2003	145	23	120	785.506	-1068.610	D	8.482	8.435	0.046	86.26	12.74	0.12	0.35		
0.10 0.43 0.00 3.940 2.830 4.020															
2003	146	23	120	785.506	-1068.610	D	8.436	8.435	0.001	84.37	15.00	0.09	0.21		
0.06 0.26 0.00 3.940 2.830 4.020															
2003	147	23	81	777.710	-1118.013	D	8.435	8.435	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.940 2.830 4.020															
2003	148	23	81	777.710	-1118.013	D	8.523	8.435	0.087	95.16	2.92	0.22	0.66	0.20	
0.83 0.00 3.940 2.830 4.020															
2003	149	23	81	777.710	-1118.013	D	8.728	8.435	0.292	94.54	3.73	0.20	0.60	0.18	
0.75 0.00 3.940 2.830 4.020															
2003	150	23	113	790.111	-1074.751	D	8.437	8.435	0.002	82.50	16.23	0.15	0.44		
0.13 0.55 0.00 3.940 2.830 4.020															
2003	151	23	120	785.506	-1068.610	D	8.457	8.435	0.022	96.39	1.86	0.20	0.60		
0.18 0.75 0.00 3.940 2.830 4.020															
2003	152	23	120	785.506	-1068.610	D	8.522	8.519	0.002	87.09	11.61	0.15	0.45		
0.14 0.57 0.00 4.120 2.940 4.210															

2003	153	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	154	23	120	785.506	-1068.610	D	8.545	8.519	0.026	95.77	2.77	0.17	0.51		
	0.15	0.63	0.00	4.120	2.940	4.210									
2003	155	23	120	785.506	-1068.610	D	8.525	8.519	0.005	88.39	10.40	0.14	0.42		
	0.13	0.52	0.00	4.120	2.940	4.210									
2003	156	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	157	23	81	777.710	-1118.013	D	8.522	8.519	0.003	96.68	2.35	0.11	0.34	0.10	
	0.42	0.00	4.120	2.940	4.210										
2003	158	23	81	777.710	-1118.013	D	8.530	8.519	0.011	97.64	1.41	0.11	0.33	0.10	
	0.41	0.00	4.120	2.940	4.210										
2003	159	23	120	785.506	-1068.610	D	8.521	8.519	0.001	98.22	0.80	0.12	0.35		
	0.10	0.44	0.00	4.120	2.940	4.210									
2003	160	23	120	785.506	-1068.610	D	8.520	8.519	0.000	90.36	8.90	0.21	0.29		
	0.09	0.36	0.00	4.120	2.940	4.210									
2003	161	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	162	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	163	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	164	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	165	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	166	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	167	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	168	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	169	23	120	785.506	-1068.610	D	8.519	8.519	0.000	97.12	2.40	0.00	0.00		
	0.00	0.00	0.00	4.120	2.940	4.210									
2003	170	23	120	785.506	-1068.610	D	8.529	8.519	0.010	96.33	3.32	0.04	0.12		
	0.04	0.15	0.00	4.120	2.940	4.210									
2003	171	23	120	785.506	-1068.610	D	8.523	8.519	0.003	95.18	4.53	0.04	0.10		
	0.03	0.13	0.00	4.120	2.940	4.210									
2003	172	23	115	789.140	-1072.966	D	8.519	8.519	0.000	95.00	2.97	0.00	0.02		
	0.01	0.03	0.00	4.120	2.940	4.210									
2003	173	23	109	790.362	-1077.538	D	8.519	8.519	0.000	96.59	0.57	0.00	0.01		
	0.00	0.02	0.00	4.120	2.940	4.210									
2003	174	23	81	777.710	-1118.013	D	8.519	8.519	0.000	75.00	0.00	0.00	0.01	0.00	
	0.01	0.00	4.120	2.940	4.210										
2003	175	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	176	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	177	23	120	785.506	-1068.610	D	8.522	8.519	0.002	98.87	1.09	0.01	0.02		
	0.00	0.02	0.00	4.120	2.940	4.210									
2003	178	23	81	777.710	-1118.013	D	8.523	8.519	0.004	97.85	2.06	0.01	0.03	0.01	
	0.03	0.00	4.120	2.940	4.210										
2003	179	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										
2003	180	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
	0.00	0.00	4.120	2.940	4.210										

2003	181	23	81	777.710	-1118.013	D	8.519	8.519	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.120	2.940	4.210				
2003	182	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	183	23	81	777.710	-1118.013	D	8.643	8.643	0.000	62.50	6.25	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	184	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	185	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	186	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	187	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	188	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	189	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	190	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	191	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	192	23	120	785.506	-1068.610	D	8.643	8.643	0.000	99.71	0.19	0.00	0.07		
				0.02	0.09				0.00	4.410	3.100	4.440			
2003	193	23	120	785.506	-1068.610	D	8.643	8.643	0.001	98.64	1.26	0.03	0.05		
				0.01	0.06				0.00	4.410	3.100	4.440			
2003	194	23	120	785.506	-1068.610	D	8.643	8.643	0.000	92.21	7.79	0.00	0.05		
				0.01	0.06				0.00	4.410	3.100	4.440			
2003	195	23	120	785.506	-1068.610	D	8.643	8.643	0.000	90.62	3.12	0.00	0.04		
				0.01	0.05				0.00	4.410	3.100	4.440			
2003	196	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00	0.00	0.00
				0.00	0.00				4.410	3.100	4.440				
2003	197	23	120	785.506	-1068.610	D	8.732	8.643	0.089	95.64	3.05	0.15	0.45		
				0.14	0.56				0.00	4.410	3.100	4.440			
2003	198	23	120	785.506	-1068.610	D	8.711	8.643	0.068	90.65	8.65	0.08	0.24		
				0.07	0.31				0.00	4.410	3.100	4.440			
2003	199	23	120	785.506	-1068.610	D	8.686	8.643	0.043	93.22	6.42	0.04	0.12		
				0.04	0.15				0.00	4.410	3.100	4.440			
2003	200	23	120	785.506	-1068.610	D	9.068	8.643	0.425	96.96	2.14	0.10	0.31		
				0.09	0.39				0.01	4.410	3.100	4.440			
2003	201	23	120	785.506	-1068.610	D	8.800	8.643	0.157	89.21	9.39	0.16	0.48		
				0.15	0.60				0.00	4.410	3.100	4.440			
2003	202	23	87	789.783	-1098.197	D	8.643	8.643	0.000	97.38	2.40	0.00	0.15	0.04	
				0.19	0.00				4.410	3.100	4.440				
2003	203	23	120	785.506	-1068.610	D	8.646	8.643	0.003	66.79	32.94	0.03	0.08		
				0.03	0.11				0.03	4.410	3.100	4.440			
2003	204	23	120	785.506	-1068.610	D	8.666	8.643	0.023	80.55	19.07	0.04	0.12		
				0.04	0.15				0.02	4.410	3.100	4.440			
2003	205	23	81	777.710	-1118.013	D	8.650	8.643	0.007	93.39	6.19	0.05	0.14	0.04	
				0.18	0.00				4.410	3.100	4.440				
2003	206	23	120	785.506	-1068.610	D	8.643	8.643	0.001	91.69	7.99	0.04	0.12		
				0.04	0.15				0.00	4.410	3.100	4.440			
2003	207	23	120	785.506	-1068.610	D	8.643	8.643	0.000	94.56	5.22	0.00	0.10		
				0.03	0.13				0.00	4.410	3.100	4.440			
2003	208	23	120	785.506	-1068.610	D	8.644	8.643	0.001	90.38	8.32	0.16	0.45		
				0.14	0.56				0.00	4.410	3.100	4.440			

2003	209	23	120	785.506	-1068.610	D	8.662	8.643	0.019	92.02	6.56	0.17	0.49
	0.15	0.61	0.00	4.410	3.100	4.440							
2003	210	23	120	785.506	-1068.610	D	8.643	8.643	0.000	77.79	21.82	0.00	0.12
	0.03	0.14	0.00	4.410	3.100	4.440							
2003	211	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.410	3.100	4.440								
2003	212	23	81	777.710	-1118.013	D	8.643	8.643	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.410	3.100	4.440								
2003	213	23	120	785.506	-1068.610	D	8.623	8.622	0.001	96.05	3.02	0.10	0.30
	0.09	0.38	0.00	4.370	3.070	4.380							
2003	214	23	120	785.506	-1068.610	D	8.622	8.622	0.000	93.33	7.92	0.00	0.08
	0.02	0.10	0.00	4.370	3.070	4.380							
2003	215	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	216	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	217	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	218	23	120	785.506	-1068.610	D	8.649	8.622	0.027	84.27	14.32	0.16	0.48
	0.14	0.60	0.02	4.370	3.070	4.380							
2003	219	23	81	777.710	-1118.013	D	8.648	8.622	0.026	84.40	14.12	0.17	0.51
	0.15	0.63	0.02	4.370	3.070	4.380							
2003	220	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	221	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	222	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	223	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	224	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	225	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	226	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	227	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	228	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	229	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	230	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	231	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	232	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	233	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	234	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								
2003	235	23	120	785.506	-1068.610	D	8.622	8.622	0.000	96.55	1.72	0.00	0.28
	0.08	0.35	0.00	4.370	3.070	4.380							
2003	236	23	81	777.710	-1118.013	D	8.622	8.622	0.000	0.00	0.00	0.00	0.00
	0.00	0.00	4.370	3.070	4.380								



2003	265	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180 2.970 4.230															
2003	266	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180 2.970 4.230															
2003	267	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180 2.970 4.230															
2003	268	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180 2.970 4.230															
2003	269	23	120	785.506	-1068.610	D	8.546	8.541	0.005	88.93	9.85	0.14	0.42		
0.13 0.53 0.00 4.180 2.970 4.230															
2003	270	23	81	777.710	-1118.013	D	8.556	8.541	0.014	93.86	4.86	0.15	0.44	0.13	
0.55 0.00 4.180 2.970 4.230															
2003	271	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180 2.970 4.230															
2003	272	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180 2.970 4.230															
2003	273	23	81	777.710	-1118.013	D	8.541	8.541	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.180 2.970 4.230															
2003	274	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2003	275	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2003	276	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2003	277	23	120	785.506	-1068.610	D	8.425	8.425	0.000	93.00	5.19	0.26	0.54		
0.16 0.67 0.00 3.920 2.820 3.990															
2003	278	23	120	785.506	-1068.610	D	8.426	8.425	0.001	96.10	2.60	0.16	0.46		
0.14 0.57 0.00 3.920 2.820 3.990															
2003	279	23	120	785.506	-1068.610	D	8.425	8.425	0.000	93.13	5.67	0.14	0.44		
0.13 0.55 0.00 3.920 2.820 3.990															
2003	280	23	119	786.393	-1069.467	D	8.425	8.425	0.000	81.25	6.25	0.00	0.36		
0.11 0.45 0.00 3.920 2.820 3.990															
2003	281	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2003	282	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2003	283	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2003	284	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2003	285	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2003	286	23	120	785.506	-1068.610	D	8.548	8.425	0.123	95.71	2.31	0.22	0.66		
0.20 0.83 0.06 3.920 2.820 3.990															
2003	287	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2003	288	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2003	289	23	120	785.506	-1068.610	D	8.454	8.425	0.029	85.30	12.33	0.27	0.81		
0.25 1.02 0.03 3.920 2.820 3.990															
2003	290	23	120	785.506	-1068.610	D	8.492	8.425	0.067	66.50	31.95	0.18	0.53		
0.16 0.66 0.03 3.920 2.820 3.990															
2003	291	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															
2003	292	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.920 2.820 3.990															

2003	293	23	120	785.506	-1068.610	D	8.974	8.425	0.549	89.24	8.25	0.29	0.87
				0.26	1.08	0.01	3.920	2.820	3.990				
2003	294	23	81	777.710	-1118.013	D	8.531	8.425	0.106	65.56	30.86	0.40	1.18
				0.36	1.48	0.16	3.920	2.820	3.990				
2003	295	23	81	777.710	-1118.013	D	8.454	8.425	0.029	77.97	17.62	0.51	1.50
				0.45	1.88	0.06	3.920	2.820	3.990				
2003	296	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.920	2.820	3.990					
2003	297	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.920	2.820	3.990					
2003	298	23	120	785.506	-1068.610	D	8.425	8.425	0.000	70.36	28.95	0.07	0.19
				0.06	0.23	0.21	3.920	2.820	3.990				
2003	299	23	81	777.710	-1118.013	D	8.493	8.425	0.068	73.20	26.03	0.07	0.20
				0.06	0.26	0.18	3.920	2.820	3.990				
2003	300	23	120	785.506	-1068.610	D	8.444	8.425	0.019	68.22	29.72	0.24	0.71
				0.21	0.89	0.01	3.920	2.820	3.990				
2003	301	23	120	785.506	-1068.610	D	8.628	8.425	0.203	75.91	22.01	0.24	0.72
				0.22	0.90	0.00	3.920	2.820	3.990				
2003	302	23	120	785.506	-1068.610	D	8.425	8.425	0.000	70.95	28.36	0.00	0.51
				0.15	0.64	0.00	3.920	2.820	3.990				
2003	303	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.920	2.820	3.990					
2003	304	23	81	777.710	-1118.013	D	8.425	8.425	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.920	2.820	3.990					
2003	305	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	306	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	307	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	308	23	81	777.710	-1118.013	D	8.431	8.431	0.000	84.07	13.12	0.35	0.93
				0.28	1.17	0.00	3.930	2.830	4.010				
2003	309	23	120	785.506	-1068.610	D	8.807	8.431	0.376	85.11	12.67	0.26	0.77
				0.23	0.96	0.00	3.930	2.830	4.010				
2003	310	23	87	789.783	-1098.197	D	8.674	8.431	0.243	75.19	23.08	0.20	0.60
				0.18	0.75	0.00	3.930	2.830	4.010				
2003	311	23	81	777.710	-1118.013	D	8.438	8.431	0.008	86.99	11.63	0.16	0.47
				0.14	0.59	0.00	3.930	2.830	4.010				
2003	312	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	313	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	314	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	315	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	316	23	120	785.506	-1068.610	D	8.464	8.431	0.033	52.48	44.04	0.36	1.08
				0.32	1.35	0.36	3.930	2.830	4.010				
2003	317	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	318	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	319	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					
2003	320	23	81	777.710	-1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00
				0.00	0.00	3.930	2.830	4.010					

2003 321 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010											
2003 322 23 87	789.783 -1098.197	D	8.441	8.431	0.011	32.42	57.31	0.71	2.11		
0.64 2.64 4.18 3.930 2.830 4.010											
2003 323 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010											
2003 324 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010											
2003 325 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010											
2003 326 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010											
2003 327 23 120	785.506 -1068.610	D	8.434	8.431	0.003	3.34	85.62	0.00	0.00		
0.00 0.00 11.03 3.930 2.830 4.010											
2003 328 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010											
2003 329 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010											
2003 330 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010											
2003 331 23 120	785.506 -1068.610	D	8.451	8.431	0.020	40.86	54.86	0.13	0.39		
0.12 0.49 3.15 3.930 2.830 4.010											
2003 332 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010											
2003 333 23 81	777.710 -1118.013	D	8.431	8.431	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 3.930 2.830 4.010											
2003 334 23 120	785.506 -1068.610	D	8.466	8.431	0.035	79.05	18.61	0.27	0.81		
0.24 1.01 0.00 3.930 2.830 4.010											
2003 335 23 81	777.710 -1118.013	D	8.489	8.486	0.003	73.39	24.57	0.23	0.71		
0.21 0.88 0.00 4.060 2.900 4.110											
2003 336 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110											
2003 337 23 120	785.506 -1068.610	D	8.582	8.486	0.095	75.61	22.97	0.16	0.47		
0.14 0.59 0.05 4.060 2.900 4.110											
2003 338 23 92	792.340 -1090.473	D	8.584	8.486	0.097	72.20	26.49	0.14	0.42		
0.13 0.53 0.09 4.060 2.900 4.110											
2003 339 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110											
2003 340 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110											
2003 341 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110											
2003 342 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110											
2003 343 23 120	785.506 -1068.610	D	8.562	8.486	0.075	57.12	37.08	0.57	1.68		
0.51 2.10 0.96 4.060 2.900 4.110											
2003 344 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110											
2003 345 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110											
2003 346 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110											
2003 347 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110											
2003 348 23 81	777.710 -1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110											

2003	349	23	120	785.506	-1068.610	D	8.512	8.486	0.025	74.88	21.23	0.39	1.17
0.35 1.46 0.53 4.060 2.900 4.110													
2003	350	23	81	777.710	-1118.013	D	8.488	8.486	0.002	56.42	41.26	0.26	0.79
0.24 0.99 0.05 4.060 2.900 4.110													
2003	351	23	86	789.227	-1101.058	D	8.593	8.486	0.107	61.55	35.30	0.36	1.06
0.32 1.33 0.09 4.060 2.900 4.110													
2003	352	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110													
2003	353	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110													
2003	354	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110													
2003	355	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110													
2003	356	23	117	788.168	-1071.180	D	8.543	8.486	0.056	66.73	31.68	0.11	0.33
0.10 0.41 0.64 4.060 2.900 4.110													
2003	357	23	104	792.307	-1081.109	D	8.498	8.486	0.012	61.03	37.69	0.05	0.15
0.05 0.19 0.85 4.060 2.900 4.110													
2003	358	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110													
2003	359	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110													
2003	360	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110													
2003	361	23	81	777.710	-1118.013	D	8.486	8.486	0.000	0.00	0.00	0.00	0.00
0.00 0.00 4.060 2.900 4.110													
2003	362	23	81	777.710	-1118.013	D	8.505	8.486	0.018	52.72	46.30	0.00	0.01
0.00 0.01 0.95 4.060 2.900 4.110													
2003	363	23	82	779.971	-1115.939	D	8.487	8.486	0.000	46.04	52.98	0.00	0.01
0.00 0.01 0.99 4.060 2.900 4.110													

--- Ranked Daily Visibility Change ---

START TIME	% of Modeled Extinction by Species												
Small Large SSalt													
YEAR DAY HR RECEPTOR	COORDINATES (km)	TYPE	DV(Total)	DV(BKG)	DELTA	DV	%_SO4						
%_NO3	%_OC	%_EC	%_PMC	%_PMF	%_NO2	F(RH)	F(RH)	F(RH)					
2003	31	23	120	785.506	-1068.610	D	9.349	8.491	0.858	78.09	20.38	0.16	0.49
0.15 0.61 0.13 4.080 2.910 4.100 1													
2003	293	23	120	785.506	-1068.610	D	8.974	8.425	0.549	89.24	8.25	0.29	0.87
0.26 1.08 0.01 3.920 2.820 3.990 2													
2003	21	23	86	789.227	-1101.058	D	8.946	8.491	0.455	75.52	22.41	0.21	0.63 0.19
0.78 0.25 4.080 2.910 4.100 3													
2003	200	23	120	785.506	-1068.610	D	9.068	8.643	0.425	96.96	2.14	0.10	0.31
0.09 0.39 0.01 4.410 3.100 4.440 4													
2003	309	23	120	785.506	-1068.610	D	8.807	8.431	0.376	85.11	12.67	0.26	0.77
0.23 0.96 0.00 3.930 2.830 4.010 5													
2003	81	23	81	777.710	-1118.013	D	8.696	8.366	0.329	78.91	19.26	0.21	0.63 0.19
0.79 0.00 3.790 2.740 3.870 6													
2003	7	23	120	785.506	-1068.610	D	8.787	8.491	0.296	62.76	33.87	0.37	1.09 0.33
1.36 0.22 4.080 2.910 4.100 7													
2003	149	23	81	777.710	-1118.013	D	8.728	8.435	0.292	94.54	3.73	0.20	0.60 0.18
0.75 0.00 3.940 2.830 4.020 8													
2003	79	23	114	789.223	-1073.895	D	8.652	8.366	0.286	75.34	20.96	0.41	1.21
0.37 1.52 0.19 3.790 2.740 3.870 9													
2003	32	23	87	789.783	-1098.197	D	8.639	8.379	0.260	75.06	23.56	0.16	0.47 0.14

0.59	0.01	3.820	2.760	3.890	10									
2003	310	23	87	789.783	-1098.197	D	8.674	8.431	0.243	75.19	23.08	0.20	0.60	
0.18	0.75	0.00	3.930	2.830	4.010	11								
2003	102	23	81	777.710	-1118.013	D	8.564	8.347	0.217	83.81	14.83	0.16	0.47	
0.14	0.59	0.00	3.740	2.720	3.850	12								
2003	301	23	120	785.506	-1068.610	D	8.628	8.425	0.203	75.91	22.01	0.24	0.72	
0.22	0.90	0.00	3.920	2.820	3.990	13								
2003	73	23	120	785.506	-1068.610	D	8.545	8.366	0.179	74.12	25.35	0.06	0.18	
0.05	0.23	0.01	3.790	2.740	3.870	14								
2003	18	23	120	785.506	-1068.610	D	8.669	8.491	0.178	48.48	48.78	0.29	0.87	
0.26	1.09	0.23	4.080	2.910	4.100	15								
2003	201	23	120	785.506	-1068.610	D	8.800	8.643	0.157	89.21	9.39	0.16	0.48	
0.15	0.60	0.00	4.410	3.100	4.440	16								
2003	82	23	81	777.710	-1118.013	D	8.513	8.366	0.146	70.39	27.80	0.21	0.63	0.19
0.79	0.00	3.790	2.740	3.870	17									
2003	4	23	85	785.607	-1106.067	D	8.632	8.491	0.141	55.24	43.06	0.19	0.58	0.17
0.72	0.03	4.080	2.910	4.100	18									
2003	286	23	120	785.506	-1068.610	D	8.548	8.425	0.123	95.71	2.31	0.22	0.66	
0.20	0.83	0.06	3.920	2.820	3.990	19								
2003	80	23	120	785.506	-1068.610	D	8.479	8.366	0.112	71.90	25.61	0.29	0.86	
0.26	1.07	0.01	3.790	2.740	3.870	20								
2003	351	23	86	789.227	-1101.058	D	8.593	8.486	0.107	61.55	35.30	0.36	1.06	
0.32	1.33	0.09	4.060	2.900	4.110	21								
2003	294	23	81	777.710	-1118.013	D	8.531	8.425	0.106	65.56	30.86	0.40	1.18	
0.36	1.48	0.16	3.920	2.820	3.990	22								

--- Number of days with Delta-Deciview => 0.50: 2  
 --- Number of days with Delta-Deciview => 1.00: 0  
 --- Largest Delta-Deciview = 0.858

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 CALPOST Version 6.221 Level 080724  
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Run-Length VISIBILITY

VISIB BOESNCFG

(deciview)

RECEPTOR COORDINATES (km) TYPE DV(Total) DV(BKG) DELTA DV

119 786.393 -1069.467 D 8.497 8.475 0.022

--- Number of recs with Delta-Deciview > 0.10: 0  
 --- Largest Delta-Deciview = 0.022